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L
Ontario - Legislature Assembly

SESSIONAL PAPERS

VOL. LVI—PART VI

FIRST SESSION

OF THE

SIXTEENTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO

199259
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SESSION 1924

TORONTO
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CANADA

LIST OF SESSIONAL PAPERS

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*Not bound in Sessional Volumes.

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No. 2 Estimates—Supplementary, for the service of the Province for the year ending 31st October, 1923. Presented to the Legislature, February 19th, 1924. *Printed.* Further Supplementary Estimates for the year ending October 31st, 1924. Presented to the Legislature, March 19th, 1924. *Printed.* Estimates for the year ending 31st October, 1925. Presented to the Legislature, March 25th, 1924. *Printed.*

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No. 4 Report of the Department of Mines for the year 1923. Presented to the Legislature, April 3rd, 1924. *Printed.*

No. 5 Report of the Inspector of Division Courts for the year 1923. Presented to the Legislature, March 5th, 1924. *Printed.*

No. 6 Report of the Inspector of Legal Offices for the year 1923. Presented to the Legislature, April 3rd, 1924. *Printed.*

No. 7 Report of the Inspector of Registry Offices for the year 1923. Presented to the Legislature, March 21st, 1924. *Printed.*

No. 8 Report of the Provincial Municipal Auditor for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

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No. 9 Report of the Commissioners for the Queen Victoria Niagara Falls Park for the year 1923. Presented to the Legislature, April 4th, 1924. *Not Printed.*

No. 10 Report of the Superintendent of Insurance and Registrar of Friendly Societies for the year 1923. Presented to the Legislature, March 26th, 1924. *Printed.*

No. 11 Friendly Societies:—See *No. 10.*

No. 12 Report of the Registrar of Loan Corporations for the year 1923. Presented to the Legislature, March 26th, 1924. *Not Printed.*

No. 13 Report of the Department of Public Works for the year 1923. Presented to the Legislature, March 10th, 1924. *Printed.*

No. 14 Report of the Department of Game and Fisheries for the year 1923. Presented to the Legislature, April 3rd, 1924. *Printed.*

No. 15 Statement showing all sums credited to the Highway Improvement Fund and all sums chargeable thereto for the year 1923. Presented to the Legislature, March 3rd, 1924. *Not Printed.*

No. 16 Report of the Department of Labour for the year 1923. Presented to the Legislature, March 4th, 1924. *Printed.*

No. 17 Report of the Department of Education for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

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No. 19 Report of the Secretary and Registrar of the Province for the year 1923. Presented to the Legislature, April 3rd, 1924. *Not Printed.*

No. 20 Report relating to the Registration of Births, Marriages and Deaths for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 21 Report of the Provincial Board of Health for the year 1923. Presented to the Legislature, March 3rd, 1924. *Printed.*

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No. 23 Report upon the Hospitals for the Insane, Feeble-Minded and Epileptic for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 24 Report of the Ontario Board of Parole for the year 1923. Presented to the Legislature, March 3rd, 1924. *Printed.*

No. 25 Report upon the Hospitals and Charitable Institutions for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 26 Report upon the Prisons and Reformatories of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 27 Report of the Superintendent of Neglected and Dependent Children of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Not printed.*

No. 28 Report upon the operation of the Ontario Temperance Act for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 29 Report of the Department of Agriculture for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 30 Report of the Ontario Agricultural College for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 31 Report of the Agricultural and Experimental Union for the year 1923. Presented to the Legislature, March 13th, 1924. *Printed.*

No. 32 Report of the Ontario Vegetable Growers' Association for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 33 Report of the Entomological Society of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 34 Report of the Beekeepers' Association of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 35 Report of the Dairymen's Association of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Not Printed.*

No. 36 Report of the Live Stock Branch of the Department of Agriculture for the year 1923. Presented to the Legislature, April 17th, 1924. *Not Printed.*

No. 37 Report *re* Housing of the Bureau of Municipal Affairs for the year 1923. Presented to the Legislature, March 18th, 1924. *Printed.*

No. 38 Report of the Women's Institutes of the Department of Agriculture for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 39 Report of the Statistics Branch of the Department of Agriculture for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 40 Report of the Horticultural Societies of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 41 Report of the Fruit Growers' Association of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 42 Report of the Agricultural Societies and of the Convention of the Association of Fairs and Exhibitions for the year 1923. Presented to the Legislature, March 5th, 1924. *Printed.*

No. 43 Reports of the Municipal Water Works and Gas Systems of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 44 Report of the Temiskaming and N.O. Railway Commission for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 45 Report upon the state of the Library for the year 1923. Presented to the Legislature, April 2nd, 1924. *Not printed.*

No. 46 Report of the Ontario Railway and Municipal Board. Presented to the Legislature April 3rd, 1924. *Printed.*

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No. 47 Return from the Records of the General Elections to the Legislative Assembly held on the 14th and 25th days of June, 1923, showing:— (1) The number of Votes Polled for each Candidate in each Electoral District in which there was a contest; (2) The majority whereby each successful Candidate was returned; (3) The total number of Votes Polled; (4) The number of Votes remaining Unpolled; (5) The number of names on the Polling Lists; (6) The number of Ballot Papers sent out to each Polling Place; (7) The Used Ballot Papers; (8) The unused Ballot Papers; (9) The Rejected Ballot Papers; (10) The Cancelled Ballot Papers; (11) The Declined Ballot Papers; (12) The Ballot Papers taken from Polling Places; (13) A General Summary of Votes cast in each Electoral District Also, Supplementary Return from the Records of the By-election held subsequently to the General Elections. Presented to the Legislature, February 6th, 1924. *Printed.*

No. 48 Report of the Department of Public Records and Archives for the Province for the year 1923. Presented to the Legislature, April 8th, 1924. *Not Printed.*

No. 49 Report of the Hydro-Electric Power Commission of the Province for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 50 Report of the Provincial Auditor for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 51 Report of the Workmen's Compensation Board for the year 1923. Presented to the Legislature, April 3rd, 1924. *Printed.*

No. 52 Report of the Ontario Veterinary College for the year 1923. Presented to the Legislature, March 5th, 1924. *Printed.*

No. 53 Report of Probation Officers of the County of York, including the City of Toronto, for the year 1923. Presented to the Legislature, April 17th, 1924. *Printed.*

No. 54 Regulations and Orders-in-Council made since May 5th, 1923, under the authority of the Department of Education Act, or of the Acts relating to Public Schools, Separate Schools or High Schools. Presented to the Legislature, February 11th, 13th, March 17th, and April 8th, 1924. *Not Printed.*

No. 55 Statement of the Legislative Grants for the year 1923 paid to the Rural Public and Separate Schools in the Counties and Districts and to the Urban Public and Separate Schools in the Counties and Districts which, in accordance with the provisions of the Amendment to the Schools Act, passed in 1922, were classed as Rural Schools and received grants as such. Presented to the Legislature, February 13th, 1924. *Not Printed.*

No. 56 Report of Public Service Superannuation Board for the year 1923. Presented to the Legislature, February 18th, 1924. *Not Printed.*

No. 57 Report of the Commissioner of the Ontario Provincial Police for the year 1923. Presented to the Legislature, February 22nd, 1924. *Printed.*

No. 58 Report of the Agricultural Development Board for the year 1923. Presented to the Legislature, March 13th, 1924. *Printed.*

No. 59 Report of the Ontario Athletic Commission and of the Auditor thereof, for the year 1923. Presented to the Legislature, February 22nd, 1924. *Not Printed.*

No. 60 Report of the Commission under the Extra-mural Employment of Sentenced Persons Act, for the year 1923. Presented to the Legislature, March 3rd, 1924. *Printed.*

No. 61 Report on the Mining Industry in that part of the Province served by the Temiskaming and Northern Ontario Railway Commission, for the years 1922 and 1923. Presented to the Legislature, March 3rd, 1924. *Printed.*

No. 62 Reports of Walter Lymond Gregory Michael John Haney and others appointed under Royal Commission bearing date the 13th day of April, 1922, to inquire into and report upon all estimates submitted from time to time to the Hydro-Electric Power Commission of Ontario for the Queenston-Chippawa Power Development, and also all estimates for the said work submitted by the said Commission to the Government of Ontario, etc., etc. Presented to the Legislature, March 13th, 1924. *Not Printed.*

No. 63 Return to an Order of the House of February 22nd, 1924, that there be laid before House a Return showing (*a*) all correspondence between the Government, or any Member of it and Mr. J. G. Ramsden since the 15th of July last and (*b*) for a similar return of all correspondence (if any) since the said date between the Hydro-Electric Power Commission of Ontario or the Chairman thereof and Mr. J. G. Ramsden. Presented to the Legislature, March 17th, 1924. *Mr. Raney. Not Printed.*

No. 64 Report of the Department of Public Highways for the year 1923. Presented to the Legislature, March 18th, 1924. *Not Printed.*

No. 65 Report of the Mothers' Allowance Commission for the year 1922-23. Presented to the Legislature, March 24th, 1924. *Printed.*

No. 66 Report of the Civil Service Commission for the year 1923. Presented to the Legislature, March 26th, 1924. *Not Printed.*

No. 67 Statement of Distribution of the Statutes for 1923. Presented to the Legislature, March 31st, 1924. *Not Printed.*

No. 68 Return to an Order of the House, dated 14th March, 1924, That there be laid before this House, a Return of all correspondence and papers relative to the appointment of the following inspectors under the Ontario Temperance Act: W. W. Forsythe, L. W. Roach, E. E. Orser, J. H. Bell, F. A. Jennings, James A. Costello. Presented to the Legislature, April 4th, 1924. *Mr. Raney. Not Printed.*

No. 69 Return to an Order of the House, dated 14th March, 1924, That there be laid before this House, a Return of copies of: 1. All correspondence between the present Government, or any member thereof, and A. E. Browning, K.C., lately Deputy Attorney-General of the Province of Saskatchewan. 2. All correspondence between the Attorney-General in the late Government and Mr. Browning. Presented to the Legislature, April 4th, 1924. *Mr. Raney. Not Printed.*

No. 70 Return to an Order of the House, dated 2nd April, 1924, That there be laid before this House, a Return of copies of all correspondence relative to a provincial loan or loans placed during the fiscal year ending 31st of October, 1919, with or through the Home Bank of Canada or any officer thereof. Presented to the Legislature, April 4th, 1924. *Mr. Lethbridge. Not Printed.*

No. 71 Return to an Order of the House of the Eleventh day of April, 1924, that there be laid before the House a Return, showing in detail (by Counties) the Estates from which Succession Duties came in the fiscal year ending October 31st, 1923. *Mr. Raney.* Presented to the Legislature, April 17th, 1924. *Not Printed.*

No. 72	Report on the Adoption Act, 1921, for the year 1923. Presented to the Legislature, April 17th, 1924. *Not Printed.*
No. 73	Return to an Order of the House of the 22nd day of February, 1924, that there be laid before the House a Return showing:—1. The number of motor vehicles purchased by the Government in each year since the first of such purchasing, giving (*a*) the name of each vehicle; (*b*) the price paid for the same; (*c*) the date of purchase; (*d*) the name of the person for whom purchased or who used the same; (*e*) the uses to which the same are put; and (*f*) the ultimate disposition of the motor vehicle. 2. The names of the chauffeurs appointed by the Province of Ontario since the first such employment, showing in each case (*a*) the duties of the chauffeur; (*b*) the hours of labour; (*c*) the salary paid to him; and (*d*) the amount allowed to him, in each year, for personal expenses. Presented to the Legislature, April 17th, 1924. *Mr. Jamieson (Grey). Not Printed.*

RETURN FROM THE RECORDS

OF THE

GENERAL ELECTION

TO THE

LEGISLATIVE ASSEMBLY IN 1923

HELD ON

14th AND 25th JUNE

AND SUBSEQUENT BY-ELECTIONS

SHOWING:

(1) The number of Votes Polled for each Candidate in each Electoral District in which there was a contest;
(2) The majority whereby each successful Candidate was returned;
(3) The total number of Votes Polled;
(4) The number of Votes remaining Unpolled;
(5) The number of Names on the Polling Lists;
(6) The number of Ballot Papers sent out to each Polling Place;
(7) The Used Ballot Papers;
(8) The Unused Ballot Papers;
(9) The Rejected Ballot Papers;
(10) The Cancelled Ballot Papers;
(11) The Declined Ballot Papers; and
(12) The Ballot Papers taken from Polling Places.

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1923

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CANADA

LIST OF RETURNING OFFICERS AT GENERAL ELECTION, 1923.

Constituency	Returning Officer	Post Office
1. Addington	W. A. Martin	Yarker.
2. Algoma	R. J. Coleman	Bruce Mines.
3. Brant, North	A. W. Eddy	Burford.
4. Brant, South	Ross MacDonald	Brantford.
5. Brockville	Ernest A. Cumming	Brockville.
6. Bruce, North	A. J. Crawford	Tara.
7. Bruce, South	Bert Cartwright	Walkerton.
8. Bruce, West	John McDougal	Port Elgin.
9. Carleton	Harold E. Wallace	Kars.
10. Cochrane	Oliver Pauze	Iroquois Falls.
11. Dufferin	W. A. Henry	Orangeville, R.R. 1.
12. Dundas	Mack Thorpe	Brinston.
13. Durham, East	Jacob A. Greenaway	Port Hope.
14. Durham, West	M. J. Holman	Newtonville.
15. Elgin, East	J. R. Teeple	St. Thomas, R.R. 2.
16. Elgin, West	John A. Matheson	West Lorne, R.R. 1.
17. Essex, North	Achiell Mousseau	Woodslee.
18. Essex, South	B. A. Smith	Kingsville.
19. Fort William	Fred E. Moore	Fort William.
20. Frontenac	J. L. F. Sproule	Westbrook.
21. Glengarry	John A. McDonald	Greenfield, R.R. 1.
22. Grenville	George E. Johnston	Oxford Mills.
23. Grey, Centre	Duncan McIntyre	Ravenna, R.R. 1.
24. Grey, North	Russell Dobie	Owen Sound.
25. Grey, South	Michael E. Murray	Neustadt.
26. Haldimand	Anderson Laidlaw	Hagersville.
27. Halton	Wilbert Ford	Milton.
28. Hamilton, East	Bert Furey	Hamilton.
29. Hamilton, West	Arthur Battram	Hamilton.
30. Hastings, East	Thomas Curry	Marysville.
31. Hastings, North	Robert A. Woods	Madoc, R.R. 2.
32. Hastings, West	Harry Bleecker	Belleville.
33. Huron, Centre	W. Alden McGavin	Walton.
34. Huron, North	John Jamieson	Lucknow, R.R. 3.
35. Huron, South	George W. Layton	Brucefield.
36. Kenora	George Doan	Kenora.
37. Kent, East	Walter Holmes	Dresden.
38. Kent, West	E. W. Hardy	Chatham.
39. Kingston	H. D. Wightman	Kingston.
40. Lambton, East	George J. Tedford	Alvinston.
41. Lambton, West	A. J. Johnston	Sarnia.
42. Lanark, North	William E. Robertson	Appleton.
43. Lanark, South	J. E. Anderson	Perth, R.R. 4.
44. Leeds	George F. Johnston	Lansdowne.
45. Lennox	Schuyler French	Napanee.
46. Lincoln	George Patterson	Beamsville.
47. London	Samuel Baker	London.
48. Manitoulin	William Strain	Gore Bay.
49. Middlesex, East	George Bogue	Byron, R.R. 2.
50. Middlesex, North	Phineas Dickens	Lucan, R.R. 1.
51. Middlesex, West	William Gallagher	Strathroy, R.R. 2.
52. Muskoka	John Shea	Ufford P.O.
53. Niagara Falls	P. H. Shriner	Niagara Falls.
54. Nipissing	George McGaughey	North Bay.
55. Norfolk, North	Frank W. Cline	Waterford, R.R. 2.
56. Norfolk, South	William Budd	Simcoe, R.R. 3.
57. Northumberland, East	George H. Huff	Brighton, R.R. 5.
58. Northumberland, West	Thomas Hoskin	Cobourg, R.R. 5.
59. Ontario, North	J. H. Purvis	Blackwater.
60. Ontario, South	Frank Chapman	Pickering.
61. Ottawa, East	Armand Laverdure	Ottawa.
62. Ottawa, West	J. J. Groves	Ottawa.
63. Oxford, North	George Oliver	Bright.
64. Oxford, South	M. M. Kneale	Woodstock, R.R. 4.

LIST OF RETURNING OFFICERS AT GENERAL ELECTION, 1923.—*Continued.*

Constituency	Returning Officer	Post Office
65. Parkdale	W. H. Adams	Toronto.
66. Parry Sound	S. R. Alexander	Burk's Falls.
67. Peel	David H. McCaugherty	Streetsville.
68. Perth, North	W. S. Shearer	Listowel.
69. Perth, South	George Grant	Russeldale.
70. Peterborough, East	William Puffer	Norwood.
71. Peterborough, West	F. J. A. Hall	Peterborough.
72. Port Arthur	Rod Young	Port Arthur.
73. Prescott	William Logan Allison	Vankleek Hill, R.R. 2
74. Prince Edward	John P. Williams	Picton.
75. Rainy River	N. L. Croome	Fort Frances.
76. Renfrew, North	J. A. Campbell	Pembroke.
77. Renfrew, South	R. G. Wilson	Renfrew.
78. Riverdale	Jas. G. Macdonald	Toronto.
79. Russell	Samuel Newton	Navan.
80. St. Catharines	G. A. Welstead	St. Catharines.
81. Sault Ste. Marie	Thomas Chitty	Sault Ste. Marie.
82. Simcoe, Centre	Howard Bertram	Barrie, R.R. 1.
83. Simcoe, East	Leslie Archer	Lawson.
84. Simcoe, South	L. A. Hartman	Bradford.
85. Simcoe, West	James Dowling	Creemore.
86. Stormont	D. A. Grant	Cornwall.
87. Sturgeon Falls	Alfred Limoges	Verner.
88. Sudbury	A. Irving	Sudbury.
89. Temiskaming	C. A. Byam	New Liskeard.
90. Toronto, N.E., Seat "A" Toronto, N.E., Seat "B"	Paul H. Mills	Toronto.
91. Toronto, N.W., Seat "A" Toronto, N.W., Seat "B"	Robert Heightley Groves	Toronto.
92. Toronto, S.E., Seat "A" Toronto, S.E., Seat "B"	D. W. Markham	Toronto.
93. Toronto, S.W., Seat "A" Toronto, S.W., Seat "B"	Hugh Harkins	Toronto.
94. Victoria, North	Isaac Naylor	Fenelon Falls.
95. Victoria, South	A. J. Campbell	Lindsay.
96. Waterloo, North	G. Hurst	Elmira.
97. Waterloo, South	Jas. Muir Jamieson	Galt.
98. Welland	Charles Awrey	Welland.
99. Wellington, East	Edward Boyd	Damascus.
100. Wellington, South	J. R. Watson	Guelph.
101. Wellington, West	Alexander Withers	Drayton.
102. Wentworth, North	Daniel Wray	West Flamboro.
103. Wentworth, South	John James Bertram	Vinemount.
104. Windsor	W. P. Harvie	Windsor.
105. York, East	Arthur Moore Davison	Unionville.
106. York, North	S. P. Foote	Bethesda.
107. York, West	A. W. Farr	Woodbridge.

STATEMENT OF VOTES POLLED: Number of Polling Booths and Number of Names on Voters' Lists at the General Election held on the 14th and 25th days of June, 1923.

Legislature dissolved on the 10th day of May, 1923.

Constituency	No. of Polling Booths	No. of Votes Polled	No. of Names on Voters' Lists
1. Addington	46	4,391	7,197
2. Algoma	57	6,615	9,764
3. Brant, North	53	7,228	11,817
4. Brant, South	50	10,731	18,136
5. Brockville	43	7,122	11,420
6. Bruce, North	50	6,436	8,496
7. Bruce, South	41	5,446	8,115
8. Bruce, West	40	6,715	9,863
9. Carleton	60	7,935	12,409
10. Cochrane	102	7,937	18,943
11. Dufferin	48	7,573	10,581
12. Dundas	58	6,978	10,744
13. Durham, East	26	5,046	8,036
14. Durham, West	40	5,424	8,034
15. Elgin, East	40	6,737	10,969
16. Elgin, West	63	11,642	20,127
17. Essex, North	69	6,949	14,148
18. Essex, South	57	7,525	13,169
19. Fort William	92	7,263	12,509
20. Frontenac	46	6,131	8,693
21. Glengarry	35	6,076	11,313
22. Grenville	52	6,623	10,993
23. Grey, Centre	62	7,238	11,079
24. Grey, North	75	9,639	14,083
25. Grey, South	73	8,844	13,418
26. Haldimand	58	9,035	13,791
27. Halton	41	11,416	16,759
28. Hamilton, East	144	20,090	49,459
29. Hamilton, West	66	11,035	23,957
30. Hastings, East	51	6,056	9,428
31. Hastings, North	50	6,120	10,537
32. Hastings, West	55	8,137	15,957
33. Huron, Centre	41	7,583	11,398
34. Huron, North	47	6,539	9,594
35. Huron, South	53	7,013	10,118
36. Kenora	Acclamation	.....	.....
37. Kent, East	59	7,350	12,804
38. Kent, West	97	10,359	21,668
39. Kingston	Acclamation	.....	.....
40. Lambton, East	62	7,281	10,957
41. Lambton, West	114	13,104	21,913
42. Lanark, North	46	6,177	9,483
43. Lanark, South	58	6,798	11,386
44. Leeds	52	6,627	10,926
45. Lennox	43	5,402	7,846
46. Lincoln	61	6,734	11,622
47. London	89	15,545	33,617
48. Manitoulin	44	4,176	6,322
49. Middlesex, East	60	7,470	14,472
50. Middlesex, North	47	6,320	9,474
51. Middlesex, West	36	5,115	7,702
52. Muskoka	78	6,495	*
53. Niagara Falls	60	9,471	20,278
54. Nipissing	73	6,631	12,744
55. Norfolk, North	36	5,915	9,738
56. Norfolk, South	32	5,566	7,574
57. Northumberland, East	74	8,512	12,116

No figures given.

STATEMENT OF VOTES POLLED: Number of Polling Booths and Number of Names on Voters' Lists at the General Election held on the 14th and 25th days of June, 1923—*Continued*

Constituency	No. of Polling Booths	No. of Votes Polled	No. of Names on Voters' Lists
58. Northumberland, West	35	5,504	7,870
59. Ontario, North	53	6,600	8,013
60. Ontario, South	78	10,699	18,316
61. Ottawa, East	88	7,936	21,830
62. Ottawa, West	194	18,335	45,187
63. Oxford, North	70	9,974	15,521
64. Oxford, South	61	9,921	14,320
65. Parkdale	115	7,585	24,917
66. Parry Sound	97	8,692	14,309
67. Peel	54	10,927	*
68. Perth, North	77	12,275	20,563
69. Perth, South	51	6,903	10,876
70. Peterboro, East	43	4,872	*
71. Peterboro, West	61	9,694	16,752
72. Port Arthur	63	5,841	10,030
73. Prescott	74	6,853	11,640
74. Prince Edward	62	8,059	11,407
75. Rainy River	62	4,089	6,210
76. Renfrew, North	60	8,445	13,313
77. Renfrew, South	67	9,814	14,547
78. Riverdale	125	14,172	39,879
79. Russell	107	6,520	11,657
80. St. Catharines	86	9,756	19,491
81. Sault Ste. Marie	68	6,561	15,339
82. Simcoe, Centre	51	8,937	13,596
83. Simcoe, East	92	9,886	17,296
84. Simcoe, South	47	5,428	7,519
85. Simcoe, West	51	6,439	11,299
86. Stormont	67	8,401	14,944
87. Sturgeon Falls	39	4,286	
88. Sudbury	86	9,916	16,476
89. Temiskaming	70	7,220	12,290
90. Toronto, Northeast			
Seat "A"	159	18,261	53,792
Seat "B"	159	17,985	
91. Toronto, Northwest			
Seat "A"	212	20,219	63,439
Seat "B"	212	21,495	
92. Toronto, Southeast			
Seat "A"	112	9,478	31,276
Seat "B"	112	9,356	
93. Toronto, Southwest			
Seat "A"	147	14,517	42,106
Seat "B"	147	14,764	
94. Victoria, North	56	5,823	8,716
95. Victoria, South	58	9,099	12,121
96. Waterloo, North	79	10,665	22,368
97. Waterloo, South	73	10,059	21,273
98. Welland	59	9,600	16,237
99. Wellington, East	50	5,936	9,683
100. Wellington, South	67	10,530	17,509
101. Wellington, West	38	5,351	8,218
102. Wentworth, North	37	5,855	8,923
103. Wentworth, South	56	7,303	14,721
104. Windsor	123	10,179	30,775
105. York, East	161	16,623	51,343
106. York, North	44	9,723	13,993
107. York, West	206	19,885	60 453

**No figures given.*

SUMMARY OF VOTES CAST AT THE GENERAL ELECTION HELD ON THE 25TH DAY OF JUNE, 1923.

Showing the number of votes polled for each Candidate and the majority accorded to the one elected in each Constituency in which there was a contest.

Constituency	Candidates	Votes Polled	Remarks
1. Addington	William D. Black	3,110	
	William H. J. Haines	1,281	
	Majority for Black	1,829	
2. Algoma	Arthur Gladstone Wallis	2,365	
	John Morrow Robb	2,351	
	Thomas Higgins	1,842	
	Majority for Wallis	14	
3. Brant, North	Harry Corwin Nixon	3,617	
	John M. Patterson	3,565	
	Majority for Nixon	52	On recount.
4. Brant, South	Morrison Mann MacBride	5,678	
	John W. Shepperson	4,983	
	Majority for MacBride	695	
5. Brockville	Hezekiah Allen Clark	4,182	
	Donald McAlpine	2,892	
	Majority for Clark	1,290	
6. Bruce North	William Henry Fenton	2,557	
	William Henry Brown	2,246	
	Mathew Alexander Halliday	1,595	
	Majority for Fenton	311	
7. Bruce, South	Malcolm Alexander McCallum	1,942	
	Frederick Wm. Lippert	1,893	
	Frank Rennie	1,585	
	Majority for McCallum	49	
8. Bruce, West	Alexander O. Mewhinney	2,582	
	James Johnston	2,544	
	Alex. G. MacIntyre	1,541	
	Majority for Mewhinney	38	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
9. Carleton	Adam Holland Acres	4,813	
	Robert Henry Grant	3,049	
	Majority for Acres	1,764	
10. Cochrane	Malcolm Lang	3,138	
	John Raymond O'Neill	2,172	
	Robert Fleming Seymour	116	
	John Vanier	2,511	
	Majority for Lang	627	
11. Dufferin	Charles Robert McKeown	3,898	
	Thomas Kerr Slack	3,675	
	Majority for McKeown	223	
12. Dundas	Aaron Sweet	3,773	
	William H. Casselman	3,205	
	Majority for Sweet	568	
13. Durham, East	Albert James Fallis	3,040	
	Samuel Sanford Staples	2,006	
	Majority for Fallis	1,034	
14. Durham, West	William John Bragg	2,295	
	Arthur A. VanCamp	2,114	
	Isaac T. Chapman	1,015	
	Majority for Bragg	181	
15. Elgin, East	Michael McKnight	2,968	
	James Charles Dance	1,918	
	William F. Smith	1,807	
	Majority for McKnight	1,050	
16. Elgin, West	Finlay G. Macdiarmid	5,289	
	Edward Austin Horton	3,580	
	Peter G. Cameron	2,773	
	Majority for Macdiarmid	1,709	
17. Essex, North	Edward Philip Tellier	4,282	
	Alphonse George Tisdell	2,608	
	Majority for Tellier	1,674	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
18. Essex, South	Adolphus Armstrong	2,652	
	John Orville Duke	2,592	
	William Burton Clifford	2,241	
	Majority for Armstrong	60	
19. Fort William	Frank Spence	2,866	
	Henry Mills	2,658	
	Mrs. B. O. Allen	1,152	
	D. R. Byers	500	
	Majority for Spence	208	
20. Frontenac	Anthony M. Rankin	3,529	
	George A. B. Clark	2,602	
	Majority for Rankin	927	
21. Glengarry	James Alexander Sangster	3,313	
	Duncan Alexander Ross	2,763	
	Majority for Sangster	550	
22. Grenville	George Howard Ferguson	4,374	Mr. Ferguson accepted office and was re-elected by acclamation.
	William Hunter Buchanan	2,198	
	Majority for Ferguson	2,176	
23. Grey, Centre	Dougall Carmichael	3,636	
	Angus Ego	3,561	
	Majority for Carmichael	75	
24. Grey, North	David James Taylor	3,873	
	William Breese	3,813	
	Wallace Edward Dickin	1,877	
	Majority for Taylor	60	
25. Grey, South	David Jamieson	4,553	
	George Mansfield Leeson	4,241	
	Majority for Jamieson	312	
26. Haldimand	Richard Nixon Berry	4,297	
	Warren Stringer	3,653	
	Richard Samuel Colter	1,085	
	Majority for Berry	644	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
27. Halton	George Hillmer	5,186	
	Ernest Charles Drury	4,470	
	LeRoy Dale	1,760	
	Majority for Hillmer	716	
28. Hamilton, East	Leeming Carr	11,064	Dr. Carr, Minister without portfolio
	Freeman F. Treleaven	5,132	
	George Grant Halcrow	3,894	
	Majority for Carr	5,932	
29. Hamilton, West	Arthur Campbell Garden	5,784	
	Thos. Baker McQuesten	3,053	
	Walter Ritchie Rollo	2,198	
	Majority for Garden	2,731	
30. Hastings, East	James Ferguson Hill	3,741	
	Henry Ketcheson Denyes	2,254	
	Majority for Hill	1,487	
31. Hastings, North	John Robert Cooke	4,356	Mr. Cooke, Minister without portfolio.
	John McCaffrey	1,713	
	Majority for Cooke	2,643	
32. Hastings, West	William Henry Ireland	4,846	
	Edmund Duckett O'Flynn	3,224	
	Majority for Ireland	1,622	
33. Huron, Centre	Ebon R. Wigle	3,133	
	John M. Govenlock	2,409	
	Wm. Robert Sommerville	1,992	
	Majority for Wigle	724	
34. Huron, North	John Joynt	2,896	
	Sheldon Bricker	2,498	
	Abner Cosens	1,122	
	Majority for Joynt	398	
35. Huron, South	Nelson Wm. Trewartha	2,800	
	William George Medd	2,363	
	Daniel F. McGregor	1,818	
	Majority for Trewartha	437	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
36. Kenora	Peter Heenan	Acclamation	
37. Kent East	Manning William Doherty	4,024	
	Samuel William Beamish	3,326	
	Majority for Doherty	698	
38. Kent, West	Robert Livingston Brackin	6,153	
	David Livingstone McCreary	4,136	
	Majority for Brackin	2,017	
39. Kingston	William Folger Nickle	Acclamation	Mr. Nickle accepted office and was re-elected by acclamation.
40. Lambton, East	Leslie W. Oke	3,224	
	William R. Dawson	2,766	
	William G. Connelly	1,291	
	Majority for Oke	458	
41. Lambton, West	Wilfred Smith Haney	6,022	
	Jonah M. Webster	3,903	
	Thomas Henry Cook	3,179	
	Majority for Haney	2,119	
42. Lanark, North	Thomas Alfred Thompson	3,339	
	Hiram McCreary	2,808	
	Majority for Thompson	531	
43. Lanark, South	Egerton R. Stedman	3,874	
	William I. Johnson	2,891	
	Majority for Stedman	983	
44. Leeds	Andrew Wellington Gray	3,779	
	John Beatty	2,811	
	Majority for Gray	968	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
45. Lennox	John Perry Vrooman	2,767	
	Charles W. Hambly	2,635	
	Majority for Vrooman	132	
46. Lincoln	Robert Henry Kemp	2,360	
	Thomas A. Marshall	2,317	
	Thomas W. Allan	2,057	
	Majority for Kemp	43	
47. London	Adam Beck	9,865	Sir Adam Beck, Minister without portfolio.
	Hugh A. Stevenson	2,254	
	Isabel C. Armstrong	1,851	
	James M. Donahue	1,243	
	Majority for Beck	7,611	
48. Manitoulin	Beniah Bowman	2,407	
	Frederick Smith	1,769	
	Majority for Bowman	638	
49. Middlesex, East	John Willard Freeborn	3,568	
	Frank Boyes	3,191	
	Richard W. Chappelle	711	
	Majority for Freeborn	377	
50. Middlesex, North	George Adam Elliott	3,319	
	Harold Currie	3,001	
	Majority for Elliott	318	
51. Middlesex, West	John Giles Lethbridge	2,642	
	Charles M. McFie	2,436	
	Majority for Lethbridge	206	
52. Muskoka	George W. Ecclestone	4,186	
	Harmon E. Rice	2,309	
	Majority for Ecclestone	1,877	
53. Niagara Falls	William Gore Willson	4,922	
	Charles F. Swayze	2,404	
	George B. Snyder	2,145	
	Majority for Willson	2,518	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
54. Nipissing	Harry Morel	3,238	
	Joseph H. Marceau	2,970	
	James McIlvenna	423	
	Majority for Morel	268	
55. Norfolk, North	George D. Sewell	3,068	
	George M. Boughner	2,847	
	Majority for Sewell	221	
56. Norfolk, South	John Strickler Martin	3,070	Mr. Martin accepted office and was re-elected by acclamation.
	Joseph Cridland	2,428	
	Majority for Martin	642	
57. Northumberland, E.	James F. B. Belford	4,434	
	Wesley Montgomery	4,078	
	Majority for Belford	356	
58. Northumberland, W.	Samuel Clarke	2,810	
	Frederick D. Boggs	2,653	
	Majority for Clarke	157	
59. Ontario, North	John Wesley Widdifield	3,330	
	David Watson Walls	3,250	
	Majority for Widdifield	80	
60. Ontario, South	William E. N. Sinclair	4,212	
	James Moore	4,015	
	Frederick H. Richardson	2,376	
	Majority for Sinclair	197	
61. Ottawa, East	J. Albert Pinard	4,635	
	J. Wilfred Gauvreau	3,175	
	Majority for Pinard	1,460	
62. Ottawa, West	Harold Fisher	7,362	
	Albert E. Honeywell	6,470	
	John Cameron	2,086	
	Thomas Clarey	1,136	
	Arthur Ellis	1,154	
	John H. Sproul	127	
	Majority for Fisher	892	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
63. Oxford, North.....	David Monroe Ross.....	4,019	
	Edward A. Rea.....	3,193	
	George Freeman Mahon.....	2,762	
	Majority for Ross.....	826	
64. Oxford, South.....	William Henry Chambers.....	3,889	
	John L. Wright.....	3,134	
	J. Verne Buchanan.....	2,898	
	Majority for Chambers.....	755	
65. Parkdale.....	William H. Price.....	6,050	Mr. Price accepted office and was re-elected by acclamation.
	John Hunter.....	1,535	
	Majority for Price.....	4,515	
66. Parry Sound.....	George V. Harcourt.....	4,876	
	Richard Reece Hall.....	2,297	
	Edwin John Purdon.....	1,519	
	Majority for Harcourt.....	2,579	
67. Peel.....	Thomas L. Kennedy.....	6,087	
	Edward A. Orr.....	4,718	
	Majority for Kennedy.....	1,369	
68. Perth, North.....	Joseph Dunsmore Monteith.....	6,289	
	Francis Wellington Hay.....	5,879	
	Majority for Monteith.....	410	
69. Perth, South.....	McCausland Irvine.....	3,454	
	Peter Smith.....	3,408	
	Majority for Irvine.....	46	
70. Peterborough, East.	Thomas Dalton Johnston.....	2,550	
	McDonald C. Nicholls.....	2,321	
	Majority for Johnston.....	229	
71. Peterborough, West.	William H. Bradburn.....	4,278	
	John W. Meyers.....	3,374	
	Thomas Tooms.....	1,990	
	Majority for Bradburn.....	904	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
72. Port Arthur.....	Francis Henry Keefer.....	2,331	
	Alexander J. McComber.....	1,604	
	James J. Southern.....	1,346	
	Edward J. Blaquier.....	284	
	Henry Alfred Bryan.....	224	
	Majority for Keefer.....	727	
73. Prescott.....	Edmond Proulx.....	3,608	
	Gustave Evanturel.....	2,868	
	Fernand Villeneuve.....	348	
	Majority for Proulx.....	740	
74. Prince Edward.....	Horace Stanley Colliver.....	4,039	
	Nelson Parliament.....	4,020	
	Majority for Colliver.....	19	
75. Rainy River.....	John Fullarton Callan.....	1,738	
	James Arthur Mathieu.....	1,590	
	Edward Jerome Callaghan.....	740	
	Majority for Callan.....	148	
76. Renfrew, North.....	Alexander Stuart.....	4,235	
	Ralph M. Warren.....	4,127	
	Majority for Stuart.....	108	
77. Renfrew, South.....	John Carty.....	3,653	
	John Stephen McCann.....	3,068	
	Thomas M. Costello.....	3,044	
	Majority for Carty.....	585	
78. Riverdale.....	George Oakley.....	11,074	
	Harold G. Farrell.....	1,765	
	Alexander Lyon.....	1,169	
	Majority for Oakley.....	9,309	
79. Russell.....	Aurelien Belanger.....	4,648	
	L. A. Landry.....	1,724	
	Majority for Belanger.....	2,924	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
80. St. Catharines.....	Edwin Cyrus Graves.....	5,364	
	Joseph Misset Mussen.....	2,874	
	Frank Howard Greenlaw.....	1,374	
	Majority for Graves.....	2,490	
81. Sault Ste. Marie....	James Lyons.....	2,839	Mr. Lyons accepted office and was re-elected by acclamation.
	John A. McPhail.....	2,395	
	James B. Cunningham.....	1,327	
	Majority for Lyons.....	444	
82. Simcoe, Centre.....	Charles Ernest Wright.....	3,535	
	Gilbert Hugh Murdock.....	3,006	
	Leonard . Simpson.....	2,332	
	Majority for Wright.....	529	
83. Simcoe, East.....	William Finlayson.....	5,692	
	John Benjamin Johnston.....	4,194	
	Majority for Finlayson.....	1,498	
84. Simcoe, South.....	William E. Rowe.....	3,016	
	Edgar J. Evans.....	2,381	
	Majority for Rowe.....	635	
85. Simcoe, West.....	James Edgar Jamieson.....	3,610	
	Richard Baker.....	2,030	
	Hugh A. Currie.....	634	
	Wm. Carmichael.....	84	
	Majority for Jamieson.....	1,580	
86. Stormont.....	John Colborne Milligan.....	3,661	
	James W. McLeod.....	2,611	
	Nathan Copeland.....	2,041	
	Majority for Milligan.....	1,050	
87. Sturgeon Falls.....	Zotique Mageau.....	2,671	
	Wm. G. Daoust.....	1,001	
	G. I. L. Bull.....	614	
	Majority for Mageau.....	1,670	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
88. Sudbury	Charles McCrea	5,816	Mr. McCrea accepted office and was re-elected by acclamation.
	Joseph Raoul Hurtubise	4,100	
	Majority for McCrea	1,716	
89. Temiskaming	Angus John Kennedy	3,160	
	John Sharp	2,152	
	Henry A. O'Grady	1,850	
	Majority for Kennedy	1,008	
90. Toronto, N.E.—Seat "A"	Alexander Cameron Lewis	13,049	
	William H. Shaw	2,844	
	Nelson Stanley Coyne	2,368	
	Majority for Lewis	10,205	
Toronto, N.E.—Seat "B"	Joseph E. Thompson	13,952	
	Mrs. Mary E. Becker	4,033	
	Majority for Thompson	9,919	
91. Toronto, N.W.—Seat "A"	Thomas Crawford	17,255	Mr. Crawford, Minister without portfolio.
	Henry S. Mullowney	2,964	
	Majority for Crawford	14,291	
Toronto, N.W.—Seat "B"	Arthur Russell Nesbitt	14,703	
	Edith L. Groves	3,721	
	Henry S. Cooper	2,443	
	Majority for Nesbitt	10,982	
92. Toronto, S.E.—Seat "A"	John Allister Currie	7,730	
	John George O'Donoghue	711	
	Frederick Hogg	656	
	Alfred Ernest Burgess	381	
	Majority for Currie	7,019	
Toronto, S.E.—Seat "B"	Edward W. J. Owens	7,216	
	John Callahan	1,230	
	James I. Gunn	910	
	Majority for Owens	5,986	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
93. Toronto, S.W.— Seat "A"	James Arthur McCausland	8,233	
	H. Hartley Dewart	3,472	
	Malcolm L. Bruce	2,812	
	Majority for McCausland	4,761	
Toronto, S.W.— Seat "B"	Frederick George McBrien	7,756	
	Joseph Singer	2,598	
	John McDonald	2,211	
	John C. Ramsden	2,198	
	Majority for McBrien	5,158	
94. Victoria, North	James Raglan Mark	2,711	
	Edgar Watson	2,353	
	Hugh Henry Graham	704	
	Majority for Mark	358	
95. Victoria, South	Robert J. Patterson	3,880	
	Frederick G. Sandy	3,354	
	Lawrence V. O'Connor	1,865	
	Majority for Patterson	526	
96. Waterloo, North	William G. Weichel	5,370	
	Nicholas Asmussen	3,133	
	E. O. Weber	1,853	
	George H. E. Lockhart	309	
	Majority for Weichel	2,237	
97. Waterloo, South	Karl K. Homuth	5,006	
	Arthur W. Mercer	4,991	
	Majority for Homuth	15	
98. Welland	Marshall Vaughan	4,941	
	Robert Cooper	3,702	
	Wm. S. H. McDonagh	824	
	Majority for Vaughan	1,239	
99. Wellington, East	William Edgar Raney	3,628	
	James J. Craig	2,258	
	Majority for Raney	1,370	
100. Wellington, South	Lincoln Goldie	5,444	Mr. Goldie accepted office and was re-elected by acclamation.
	Thomas J. Mahon	3,020	
	Frank Howard	1,997	
	Majority for Goldie	2,424	

SUMMARY.—*Continued.*

Constituency	Candidates	Votes Polled	Remarks
101. Wellington, West...	William Clark Chambers.....	2,685	
	Robert Neil McArthur.....	2,109	
	William Blackwell Howse.....	532	
	Majority for Chambers.....	576	
102. Wentworth, North..	Frank Campbell Biggs.....	3,397	
	Alexander Lawrence Shaver.....	2,458	
	Majority for Biggs.....	939	
103. Wentworth, South..	Thomas Joseph Mahony.....	3,348	
	Wilson Ainsworth Crockett.....	2,459	
	John Allan Moffatt.....	1,411	
	Majority for Mahony.....	889	
104. Windsor.....	Frank Worthington Wilson.....	5,424	
	James Craig Tolmie.....	3,553	
	Albert W. Strong.....	1,202	
	Majority for Wilson.....	1,871	
105. York, East.....	George Stewart Henry.....	11,863	Mr. Henry accepted office and was re-elected by acclamation.
	Arthur W. Roebuck.....	3,080	
	Harry Stewart Clarry.....	976	
	John Galbraith.....	704	
	Majority for Henry.....	8,783	
106. York, North.....	William Keith.....	4,341	
	Jesse M. Walton.....	3,530	
	James Cooper.....	1,852	
	Majority for Keith.....	811	
107. York, West.....	Forbes Godfrey.....	14,338	Dr. Godfrey accepted office and was re-elected by acclamation.
	Thomas L. H. McGuire.....	5,547	
	Majority for Godfrey.....	8,791	

C. F. BULMER,
Clerk of the Crown in Chancery.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly at the Election held on the 25th day of June, 1923.

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Black	Haines										
Addington.....	Tp. of Camden.....No. 1	97	27	124	62	186	225	127	98	3	....	....	....
	" ..... " 2	84	22	106	63	169	200	106	94	....	....	....	....
	" ..... " 3	107	37	144	105	249	275	145	130	1	....	....	....
	" ..... " 4	94	15	109	68	177	225	109	116	....	....	....	....
	" ..... " 5	102	34	136	68	204	250	136	114	....	....	....	....
	" ..... " 6	66	80	146	48	194	250	146	104	....	....	....	....
	" ..... " 7	122	45	167	68	235	275	167	67	....	1	....	....
	" ..... " 8	120	45	165	66	231	275	166	109	1	....	....	....
	" ..... " 9	50	33	83	69	152	175	84	91	....	1	....	....
	" ..... " 10	61	28	89	28	117	150	90	60	1	....	....	....
	" ..... " 11	76	49	125	50	175	225	127	98	2	....	....	....
	Village of Newburgh..... " 1	118	33	151	105	256	325	151	175	....	....	....	....
	Tp. of Sheffield..... " 1	26	74	100	48	148	175	100	75	....	....	....	....
	" ..... " 1 A	36	79	115	27	142	175	115	60	....	....	....	....
	" ..... " 2	136	72	208	57	265	200	209	.....	1	....	....	....
	" ..... " 2 A	65	33	98	32	130	275	100	173	2	....	....	....
	" ..... " 3	96	63	159	73	232	275	159	116	....	....	....	....
	" ..... " 4	11	10	21	22	43	75	21	54	....	....	....	....
	Tps. of Kaladar, Anglesea and Effingham..... " 1	34	38	72	46	118	150	73	77	1	....	....	....
	" ..... " 1 A	55	38	93	46	139	175	93	82	....	....	....	....
	" ..... " 2	11	24	35	24	59	75	35	24	....	....	....	....
	" ..... " 3	38	40	78	55	133	175	78	97	....	....	....	....
	Tps. of Denbigh, Abinger and Ashby ..... " 1	38	76	114	73	187	225	116	109	2	....	....	....
	" ..... " 2	35	8	43	38	81	125	43	82	....	....	....	....

W. A. MARTIN,
Returning Officer.

	Tp. of Barrie	"	1	32	26	58	50	108	125	58	67	....	....	....	....
	"	"	2	49	13	62	22	84	100	62	38	....	....	....	....
	Tp. of Kennebec	"	1	107	30	137	60	197	250	137	113	....	....	....	....
	"	"	1 A	45	10	55	29	84	100	55	45	....	....	....	....
	"	"	2	41	29	70	62	132	175	70	105	....	....	....	....
	"	"	3	23	23	46	30	76	100	48	52	2	....	....	....
	Tps. of Clarendon and Miller	"	1	83	6	89	68	157	200	89	111	....	....	....	....
	"	"	2	52	25	77	85	162	200	78	122	1	....	....	....
	"	"	3	14	...	14	23	37	50	15	35	1	....	....	....
	Tps. of Palmerston, North and South Cononto	"	1	63	9	72	72	144	175	72	103	....	....	....	....
	"	"	2	40	...	40	45	85	100	40	60	....	....	....	....
	"	"	3	32	3	35	32	67	75	35	40	....	....	....	....
	"	"	4	36	2	38	17	55	75	38	37	....	....	....	....
	Tp. of Olden	"	1	109	8	117	132	249	300	119	181	2	....	....	....
	"	"	1 A	101	18	119	129	248	300	120	180	....	1	....	....
	Tp. of Oso	"	1	121	10	131	157	288	350	132	218	....	1	....	....
	"	"	1 A	126	3	129	146	275	350	131	219	1	1	....	....
	Tp. of Hinchinbrook	"	1	90	15	105	100	205	250	105	145	....	....	....	....
	"	"	2	133	7	140	68	208	250	142	108	....	1	1	....
	"	"	2 A	82	12	94	46	140	175	94	81	....	....	....	....
	"	"	3	20	26	46	26	72	100	47	53	1	....	....	....
	"	"	4	33	3	36	66	102	125	36	89	....	....	....	....
	Totals			3,110	1,281	4,391	2,806	7,197	8,875	4,418	4,397	22	6	1	....
	Majority for Black			1,829											

				Higgins	Robb	Wallis									
Algoma	Webbwood	No.	1	4	93	85	183	155	338	525	183	342	....	....	1	....
	Hallam	"	2	34	31	26	91	68	159	175	91	84	....	....	....	....
	Shakespeare	"	3	4	16	23	43	36	79	100	43	57	....	....	....	....
	Massey	"	4	16	132	123	276	134	410	600	276	324	5	....	....	....
	Salter, May and Harrow	"	5	62	63	112	238	157	395	575	238	337	....	....	....	....
	Broken Front	"	6	5	3	34	42	17	59	75	42	33	....	....	....	....
	Walford	"	7	76	35	18	129	56	185	225	129	96	....	....	....	....
	Spanish	"	8	41	30	98	170	59	229	250	170	80	....	....	....	....
	Cutler	"	9	10	110	74	195	33	228	275	195	80	....	1	....	....
	Spragge	"	10	7	30	106	145	65	210	250	45	105	2	....	....	....
	Algoma	"	11	.....	23	10	33	5	38	50	33	17	....	....	....	....
	Striker and Cobden	"	12–1	.....	39	9	48	21	122	125	48	77	....	....	....	....
	"	"	12–2	1	23	19	43			125	43	82	....	....	....	....
	Blind River	"	13–1	5	120	128	255	144	399	600	255	345	2	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Higgins	Robb	Wallis									
Algoma.—*Con*....	Blind River	No. 14–2	2	68	130	203	132	335	550	203	347	....	2	....	1
	"	" 15–3	7	164	57	228	112	340	600	229	371	....	....	....	....
	Thompson	" 16	21	60	21	104	62	166	250	104	146	....	2	....	....
	Bush Poll	" 17 A	.....	51	53	107	55	162	175	107	68	2	1	....	....
	"	" 17 B	1	15	18	34	34	68	75	34	41	....	....	....	....
	"	" 17 C	.....	18	8	26	32	58	75	26	49	....	....	....	....
	"	" 17 D	1	18	2	21	23	44	50	21	29	....	....	....	....
	Patton	" 18	12	21	7	40	11	51	75	40	35	....	....	....	....
	Gladstone	" 19	32	59	31	122	39	161	175	122	53	....	....	....	....
	Bright	" 20	7	12	2	21	29	50	75	21	54	....	....	....	....
	Parkinson	" 21	.....	20	33	53	24	77	100	53	47	....	....	....	....
	" Grassett, Kynoch..	" 22	8	5	26	39	22	61	75	39	36	....	....	....	....
	Day and Bright	" 23	59	21	18	98	57	155	225	98	127	....	....	....	....
	Wells and Gould	" 24	18	13	30	61	22	83	100	61	39	....	....	....	....
	Thessalon.....A to K	" 25	28	98	282	414	232	988	500	414	86	5	....	1	....
	" .....L to Z	" 25	16	74	249	342			700	342	358	3	....		....
	Thessalon Tp	" 26–1	84	31	64	182	175	619	300	182	118	....	1	2	....
	"	" 26–2	89	1	21	111			300	111	189	....	....	....	....
	Nestorville	" 26–3	25	69	55	151			300	151	149	....	2	....	....
	Kirkwood	" 27	2	2	12	16	5	21	50	16	34	....	....	....	....
	Cloudslee	" 28	49	8	14	71	175	399	200	71	129	....	....	....	....
	Plummer, Addl	" 29	116	9	28	153			300	153	147	....	....	....	....
	Bruce Mines	" 30	48	72	87	209	104	313	375	209	166	....	2	....	....
	Plummer and Rose	" 31	100	75	29	205	82	287	325	205	120	....	....	1	....
	Poplar Dale	" 32	6	9	5	21	14	35	50	21	29	1	....	....	....

R. J. COLEMAN, Returning Officer.

	Fraser and Seeburn	"	33	41	10	7	59	20	79	100	59	41	1	....	....	....
	Aberdeen	"	34	35	6	5	46	7	53	75	46	29	....	....	....	....
	Galbraith and Houghton	"	35	38	13	.....	51	24	75	100	51	49	....	....	....	....
	Johnson	"	36–1	49	25	3	78	27	105	225	78	147	1	....	....	....
	"	"	36–2	104	60	24	191	93	284	325	191	134	....	....	3	....
	Tarbutt	"	37	45	34	9	88	91	179	275	88	187	....	....	....	....
	Laird	"	38	115	87	5	208	79	287	375	208	167	....	....	1	....
	McDonald, etc	"	39–1	49	115	22	188	105	292	300	189	111	2	....	....	....
	"	"	40–2	36	22	6	65	37	102	400	65	335	....	1	....	....
	"	"	41–3	9	20	3	32	14	46	200	32	168	....	....	....	....
	St. Joseph's	"	42–1	103	77	68	249	82	331	500	249	251	1	....	....	....
	"	"	42–2	81	17	4	107	59	166	300	107	193	4	1	....	....
	"	"	43–3	26	17	13	57	39	96	225	57	168	....	1	....	....
	Hilton Tp	"	44	22	60	32	115	73	188	325	115	210	1	....	....	....
	"	"	45	40	16	8	64	33	97	200	64	136	....	....	....	....
	Jocelyn	"	46	12	17	7	37	22	59	150	37	113	1	....	....	....
	"	"	47	27	2	1	30	29	59	125	30	95	....	....	....	....
	"	"	48	14	12	1	27	22	49	150	27	123	....	....	....	....
	Totals			1,842	2,351	2,365	6,615	3,149	9,764	14,300	6,613	7,687	31	14	9	1
	Majority for Wallis					14										

A. W. Eddy, Returning Officer.

				Patterson	Nixon										
North Brant	Tp. of Brantford	No.	8	26	140	168	99	267	300	168	132	2	....	....	....
	" A to L	"	9	51	33	86	92	178	200	86	114	2	....	....	....
	" M to Z	"	9	45	33	79	99	178	200	79	121	1	....	....	....
	" A to L	"	10	98	36	134	106	240	275	135	140	....	1	....	....
	" M to Z	"	10	85	29	114	97	211	250	115	135	....	1	....	....
	"	"	11	42	133	177	133	310	351	177	174	2	....	....	....
	"	"	12	46	34	81	71	152	175	81	94	1	....	....	....
	" A to L	"	13	84	58	143	100	243	275	143	132	1	....	....	....
	" M to Z	"	13	66	25	91	109	200	225	91	134	....	....	....	....
	" A to L	"	14	59	60	120	81	201	225	120	105	1	....	....	....
	" M to Z	"	14	79	66	147	58	205	225	147	78	2	....	....	....
	"	"	15	6	45	51	34	85	125	51	74	....	....	....	....
	"	"	16	23	72	95	126	221	250	97	153	....	....	2	....
	Tp. of Onondaga	"	1	49	90	139	65	204	225	140	85	....	1	....	....
	"	"	2	43	85	130	46	176	200	130	70	2	....	....	....
	"	"	3	30	85	117	62	179	200	118	82	2	....	1	....
	"	"	4	10	69	79	62	141	175	79	96	....	....	....	....
	City of Brantford...Ward 5	"	6	90	22	113	96	209	225	113	112	1	....	....	....
	" "	"	7	148	25	174	132	306	350	174	176	1	....	....	....
	" "	"	8	127	54	182	206	388	425	183	242	1	1	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Patterson	Nixon										
North Brant. —*Con.*.....	Indian Reserve.....No. 1	24	36	62	170	232	250	62	188	2	....	....	....
	Burford Tp..... " 1	49	145	194	74	268	300	194	106	....	....	....	....
	" .....A to L " 2	81	42	125	65	190	225	125	100	2	....	....	....
	" .....M to Z " 2	39	35	74	60	134	175	74	101	....	....	....	....
	" .....A to L " 3	92	37	130	73	203	225	134	91	1	....	....	....
	" .....M to Z " 3	63	30	94	81	175	200	96	104	1	2	....	....
	" ..... " 4	38	155	194	70	264	300	194	106	1	....	....	....
	" ..... " 5	38	115	156	136	292	325	156	169	3	....	....	....
	" ..... " 6	23	108	131	104	235	275	132	143	....	1	....	....
	" ..... " 7	64	112	176	76	252	275	177	98	....	....	....	....
	" ..... " 8	54	71	126	73	199	225	127	98	1	1	....	....
	" ..... " 9	84	72	157	105	262	300	157	143	1	....	....	....
	Town of Paris.....A to L " 1	65	40	105	85	190	225	105	120	....	....	....	....
	" .....M to Z " 1	83	44	128	93	221	250	128	122	1	....	....	....
	" .....A to F " 2	52	57	112	84	196	226	112	114	3	....	....	....
	" .....G to O " 2	97	63	160	86	246	275	160	115	....	....	....	....
	" .....P to Z " 2	72	51	124	95	219	250	124	126	1	....	....	....
	" .....A to M " 3	122	58	180	100	280	325	181	144	....	....	....	1
	" .....N to Z " 3	75	22	98	67	165	200	98	102	1	....	....	....
	" .....A to L " 4	149	29	180	54	234	274	180	94	2	....	....	....
	" .....M to Z " 4	103	30	133	92	225	250	133	117	....	....	....	....
	" .....A to L " 5	147	27	176	71	247	275	176	99	2	....	....	....
	" .....M to Z " 5	100	20	121	51	172	200	121	79	1	....	....	....
	" .....A to K " 6	222	15	140	78	318	350	240	110	3	....	....	....
	" .....L to M " 6	198	37	235	92	327	350	235	115	....	....	....	....

South Dumfries	"	1	23	120	143	53	196	225	143	82	....	....	....	....
"	"	2	19	173	192	83	275	300	192	108	....	....	....	....
"	"	3	21	129	150	89	239	275	150	125	....	....	....	....
"	"	4	20	134	155	66	221	250	156	94	1	1	....	....
"	A to L	5	42	98	140	73	213	250	140	110	....	....	....	....
"	M to Z	5	43	91	134	48	182	225	134	91	....	....	....	....
"	"	6	33	161	194	127	321	350	195	155	....	1	....	....
"	"	7	23	66	89	41	130	150	89	61	....	....	....	....
Totals			3,565	3,617	7,228	4,589	11,817	13,426	7,247	6,179	46	10	3	1
Majority for Nixon				52										

Ross Macdonald, Returning Officer.

				MacBride	Shepperson									
South Brant	City of Brantford	Ward 1.	No. 1	86	66	157	151	308	300	137	143	5	....	....	....
"	"	"	2	92	143	236	149	385	350	236	114	1	....	....	....
"	"	"	3	93	184	278	162	440	450	278	172	1	....	....	....
"	"	"	4	233	49	284	192	476	450	284	166	....	2	....	....
"	"	"	5	175	81	257	225	482	500	257	243	1	....	....	....
"	"	"	6	202	60	263	176	339	350	263	87	....	2	....	....
"	"	"	7	189	73	264	137	401	400	264	136	2	....	....	....
"	"	"	8	173	58	232	145	377	350	232	118	....	1	....	....
"	Ward 2.	"	1	74	28	102	142	244	250	102	148	....	....	....	....
"	"	"	2	107	220	328	110	438	400	328	72	....	1	....	....
"	"	"	3	132	117	249	150	408	400	349	151	....	1	....	....
"	"	"	4	136	95	231	245	476	450	231	119	....	....	....	....
"	"	"	5	146	134	282	139	421	400	282	118	2	....	....	....
"	"	"	6	114	75	191	235	426	400	191	209	2	....	....	....
"	"	"	7	182	96	279	196	475	450	279	171	1	....	....	....
"	"	"	8	114	92	208	181	389	350	208	142	....	1	1	....
"	"	"	9	152	84	237	151	388	350	237	143	....	....	....	1
"	Ward 3.	"	1	54	24	78	83	161	150	78	72	....	....	....	....
"	"	"	2	109	141	252	198	450	450	252	193	2	....	....	....
"	"	"	3	134	182	306	219	525	500	306	194	....	....	....	....
"	"	"	4	170	121	292	308	500	500	292	208	1	....	....	....
"	"	"	5	118	163	283	183	466	450	283	167	2	....	....	....
"	"	"	6	171	134	305	256	561	450	305	245	....	....	....	....
"	"	"	7	148	87	236	214	450	450	236	114	1	....	....	....
"	"	"	8	130	45	175	160	335	400	175	225	....	....	....	....
"	"	"	9	104	48	156	140	296	300	156	144	....	....	4	....
"	Ward 4.	"	1	126	191	237	175	412	400	237	163	....	....	....	....
"	"	"	2	97	91	189	158	347	350	189	161	....	1	....	....
"	"	"	3	112	121	235	168	403	400	235	165	2	....	....	....
"	"	"	4	92	124	218	144	362	350	218	132	2	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		MacBride	Shepperson										
South Brant. —*Con.*.....	City of Brantford..Ward 4. No. 5	97	107	205	140	345	350	205	145	1	....	....	....
	" " " 6	138	178	317	167	484	500	317	183	1	....	....	....
	" " " 7	125	140	269	210	479	450	269	181	....	3	1	....
	" " " 8	113	101	218	153	371	350	218	132	3	....	1	....
	" " " 9	170	73	244	249	493	500	244	256	1	....	....	....
	" ..Ward 5. " 1	152	74	227	174	401	400	227	173	1	....	....	....
	" " " 2	191	129	321	217	538	500	321	179	1	....	....	....
	" " " 3	158	69	231	172	403	400	231	169	3	1	....	....
	" " " 4	151	95	248	155	403	400	248	152	....	....	....	....
	" " " 5 A	93	63	158	142	395	200	158	42	2	2	....	....
	" " " 5 B	58	37	95			200	95	105	....	....	....	....
	" ..... " 1	4	107	113	158	271	250	113	137	....	....	2	....
	" ..... " 2	20	60	80	83	163	150	80	70	....	....	....	....
	" ..... " 3	27	84	111	144	255	250	111	139	....	....	....	....
	" ..... " 4	52	147	200	213	413	400	200	200	....	1	....	....
	" ..... " 5	9	114	124	74	198	200	124	76	1	....	....	....
	" ..... " 6	86	54	143	149	292	300	143	157	3	....	....	....
	" ..... " 7	28	45	73	95	168	150	73	77	....	....	....	....
	Tp. of Oakland..... " 1	25	144	173	70	243	.....	170	77	4	....	....	....
	" ..... " 2	26	115	241	139	280	.....	148	159	....	....	....	....
	Totals.....	5,678	4,983	10,731	7,905	18,136	18,350	10,731	7,619	46	14	9	1
	Majority for MacBride.....	695											

A. E. Cumming,
Returning Officer.

				Clark	McAlpine									
Brockville	Elizabethtown	No.	1	95	92	187	143	330	335	187	148	....	....	....
	"	"	2	44	77	122	83	205	210	122	88	....	1	....
	"	"	3	45	103	148	55	203	210	148	62	....	....	....
	"	"	4	65	106	172	64	236	245	172	73	1	....	....
	"	"	5	73	86	162	72	234	235	162	73	2	1	....
	"	"	6	44	37	81	71	152	160	81	79	....	....	....
	"	"	7	64	45	110	47	157	160	110	50	1	....	....
	"	"	8	85	41	127	72	199	200	127	73	1	....	....
	"	"	9	106	79	185	112	297	300	185	115	....	....	....
	"	"	10	76	8	85	13	98	100	85	15	....	1	....
	"	"	11	75	53	129	61	190	200	129	71	1	....	....
	Rear of Yonge and Escott	"	1	104	49	154	65	219	225	154	71	1	....	....
	" "	"	2	94	54	148	73	221	225	148	77	....	....	....
	" "	"	3	67	56	124	72	196	200	124	76	1	....	....
	Kitley	"	1	155	35	193	77	270	270	193	77	1	2	....
	"	"	2	75	80	155	45	200	200	155	45	....	....	....
	"	"	3	99	55	155	78	233	235	155	80	1	....	....
	"	"	4	100	19	119	59	174	175	119	56	....	....	....
	"	"	5	64	15	80	80	160	160	80	80	1	....	....
	South Elmsley	"	1	60	50	111	133	244	250	111	139	....	1	....
	"	"	2	25	21	47	89	136	135	47	88	1	....	....
	Athens Village	"	1	88	95	187	65	252	260	187	73	1	3	....
	"	"	2	100	93	196	77	273	275	196	79	3	....	....
	South Ward A to K	"	1	70	57	129	124	253	260	129	131	2	....	....
	" L to Z	"	1	76	58	135	123	258	260	135	125	1	....	....
	"	"	2	112	68	183	188	371	375	183	192	....	3	....
	North Ward A to K	"	1	80	86	166	50	216	225	166	59	....	..	....
	" L to Z	"	1	84	56	141	127	268	275	141	134	1	....	....
	"	"	2	140	101	181	230	411	425	181	244	....	....	....
	"	"	3	125	91	217	126	343	350	217	133	1	....	....
	Centre Ward	"	1	110	124	234	202	436	435	234	201	....	....	....
	"	"	2	102	92	197	140	337	335	197	138	3	....	....
	"	"	3	163	93	256	176	442	445	256	189	....	....	....
	East Ward	"	1	225	74	300	153	453	460	300	160	1	....	....
	"	"	2	170	89	259	152	411	410	259	151	2	....	....
	" A to K	"	3	105	90	195	109	304	310	195	115	....	....	....
	" L to Z	"	3	108	80	189	117	306	310	189	121	1	....	....
	West Ward	"	1	122	81	204	159	363	375	204	171	1	....	....
	"	"	2	160	69	229	182	411	410	229	181	....	....	....
	" A to K	"	3	99	62	164	102	266	275	164	111	3	....	....
	" L to Z	"	3	127	55	183	133	316	325	183	142	1	....	....
	"	"	4	138	98	239	133	372	375	239	136	3	....	....
	Railway Poll			63	19	82	.....	.....	150	82	68	....	....	....
	Totals			4,182	2,892	7,122	4,432	11,420	11,750	7,061	7,917	36	12	....
	Majority for Clark			1,290										

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Brown	Fenton	Halliday										
North Bruce.....	Town of Wiarton.....No. 1	93	21	37	151	79	230	327	151	176	....	....	....	....
	" ..... " 2	133	18	74	225	105	330	325	225	100	....	....	....	....
	" ..... " 3	137	39	38	214	68	282	299	214	85	....	....	....	....
	" ..... " 4	140	24	63	227	55	282	327	227	100	....	....	....	....
	Town of Chesley..... " 1	107	23	81	217	74	291	328	217	111	5	1	....	....
	" ..... " 2	66	26	145	238	67	305	350	238	112	1	....	....	....
	" ..... " 3	96	11	103	211	56	267	300	211	89	1	....	....	....
	" ..... " 4	97	16	131	245	72	317	349	245	104	1	....	....	....
	Village of Paisley.....A to M " 1	46	9	57	114	96	340	225	114	111	2	....	....	....
	" .....M to Z " 1	50	7	73	130			249	130	119	....	....	....	....
	" ..... " 2	55	19	75	149	38	189	199	149	50	....	....	....	....
	Village of Tara.....A to M " 1	43	44	30	118	95	369	200	118	82	1	....	....	....
	" .....M to Z " 1	74	47	34	156			201	156	45	1	....	....	....
	Village of Hepworth.....	75	27	52	155	43	198	224	155	69	....	....	1	....
	Village of Lion's Head.....	106	29	51	190	52	242	276	190	86	....	4	....	....
	Tp. of St. Edmunds..... " 1	37	10	6	54	14	68	75	54	21	....	1	....	....
	" ..... " 2	3	.....	.....	3	5	8	15	3	12	....	....	....	....
	" ..... " 3	54	9	33	97	27	124	152	97	55	1	....	....	....
	Tp. of Lindsay..... " 1	9	42	34	86	38	124	155	86	69	1	....	....	....
	" ..... " 2	6	13	7	26	27	53	74	26	48	....	....	....	....
	" ..... " 3	11	40	5	56	18	74	100	56	44	....	....	....	....
	" ..... " 4	5	14	4	23	12	35	50	23	27	....	....	....	....
	Tp. of Eastnor..... " 1	15	81	3	99	30	129	164	99	65	....	....	....	....
	" ..... " 2	7	120	11	138	19	157	175	138	37	....	....	....	....
	" ..... " 3	25	26	2	53	18	71	100	53	44	....	....	....	....
	" ..... " 4	11	60	5	76	39	115	150	76	74	....	....	....	....

A. J. CRAWFORD, Returning Officer.

	" " " 5	10	14	10	34	13	47	76	34	42	....	....	....	....
	Tp. of Albemarle..... " 1	7	8	3	18	19	37	50	18	33	....	....	....	....
	" " " 2	14	70	19	103	6	109	124	103	21	....	....	....	....
	" " " 3	13	65	25	103	34	137	175	103	72	....	....	....	....
	" " " 4	10	41	6	57	21	78	103	57	46	....	....	....	....
	" " " 5	33	43	7	84	21	105	129	84	45	....	....	1	....
	Tp. of Amabel..... " 1	39	28	36	105	38	143	150	105	45	2	....	....	....
	" " " 2	53	104	33	191	61	252	249	191	57	....	....	1	....
	" " " 3	13	86	6	105	31	136	126	105	21	....	....	....	....
	" " " 4	20	136	5	161	97	258	275	161	114	....	....	....	....
	" " " 5	52	137	22	216	43	259	278	216	62	5	....	....	....
	" " " 6	21	34	3	58	22	80	102	58	44	....	....	....	....
	Tp. of Arran..... " 1	29	123	61	213	59	272	300	213	87	....	....	....	....
	" " " 2	110	98	4	212	58	270	275	212	63	....	....	....	....
	" " " 3	55	146	22	224	63	287	301	224	77	1	....	....	....
	" " " 4	41	69	13	124	27	151	174	124	50	1	....	....	....
	" " " 5	25	20	13	58	25	83	99	58	41	....	....	....	....
	" " " 6	17	36	12	65	22	87	100	65	35	....	....	....	....
	Tp. of Elderslie..... " 1	55	126	41	222	67	289	280	222	58	....	....	....	....
	" " " 2	40	83	28	153	69	222	251	153	98	2	....	....	....
	" " " 3	42	143	38	224	46	270	275	224	51	1	....	....	....
	" " " 4	17	159	19	197	60	257	275	197	78	1	....	1	....
	Saugeen Indian Reserve.....	23	1	2	26	4	30	50	26	24	....	....	....	....
	Cape Crocker Indian Reserve.....	6	2	13	32	7	39	49	32	17	1	....	....	....
	Totals.....	2,246	2,557	1,595	6,436	2,060	8,496	9,655	6,436	3,219	28	6	4	....
	Majority for W. H. Fenton..		311											

		Lippert	McCallum	Rennie										
South Bruce.....	Greenock Tp.....No. 1	21	35	35	91	61	152	175	91	84	....	....	....	....
	" " " 2	22	60	28	110	30	140	150	110	40	....	....	....	....
	" " " 3	77	34	83	196	92	288	300	196	104	2	....	....	....
	" " " 4	41	8	28	77	22	99	125	77	48	....	....	....	....
	" " " 5	47	60	17	124	46	170	200	124	76	....	....	....	....
	" " " 6	29	47	45	123	65	188	200	123	77	2	....	....	....
	" " " 7	8	27	11	46	73	119	150	46	104	....	....	....	....
	" " " 8	7	13	5	25	31	56	75	25	50	....	....	....	....
	Brant Tp..... " 1	39	46	59	145	72	217	250	145	105	1	....	....	....
	" " " 2	16	64	33	113	37	150	175	113	62	....	....	....	....
	" " " 3	42	72	51	165	88	253	275	165	110	....	....	....	....
	" " " 4	74	46	30	150	65	215	250	150	100	....	....	....	....
	" " " 5	27	72	11	110	79	189	200	111	89	....	1	....	....
	" " " 6	17	69	13	99	35	134	150	99	51	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Lippert	McCallum	Rennie										
South Bruce. —*Con*.....	Brant Tp.....No. 7	13	119	7	139	63	202	225	139	86	....	....	....	....
	" ..... " 8	20	81	29	131	107	238	275	132	143	1	1	....	....
	" ..... " 9	30	38	20	89	48	137	150	89	61	1	....	....	....
	Carrick Tp..... " 1	69	52	42	163	68	231	250	163	87	....	....	....	....
	" ..... " 2	15	50	24	89	37	126	150	89	61	....	....	....	....
	" ..... " 3	93	27	49	169	76	245	275	169	106	....	....	....	....
	" ..... " 4	22	65	19	106	40	146	150	106	44	....	....	....	....
	" ..... " 5	48	50	32	131	70	201	225	131	94	1	....	....	....
	" ..... " 6	36	75	22	133	94	227	250	133	117	....	....	....	....
	" ..... " 7	25	65	58	152	77	229	250	152	98	4	....	....	....
	Culross Tp..... " 1	4	23	11	38	49	87	100	38	62	....	....	....	....
	" ..... " 2	16	74	11	102	46	148	175	102	73	1	....	....	....
	" ..... " 3	21	99	7	128	6	134	150	128	22	....	....	....	....
	" ..... " 4	18	106	8	133	53	186	200	133	67	1	....	....	....
	" ..... " 5	30	106	13	149	89	238	250	149	101	....	....	....	....
	" ..... " 6	95	22	19	136	66	202	225	136	89	....	....	....	....
	" ..... " 7	4	47	11	63	28	91	100	63	37	1	....	....	....
	Mildmay..... " 1	85	3	66	156	87	243	250	156	94	2	....	....	....
	" ..... " 2	81	9	62	152	66	218	250	152	98	....	....	....	....
	Teeswater..... " 1	45	49	47	143	146	289	301	144	157	2	1	....	....
	" ..... " 2	50	49	64	163	147	310	326	163	163	....	....	....	....
	East Walkerton..... " 1	72	9	91	173	67	240	275	173	102	1	....	....	....
	" ..... " 2	72	5	81	159	56	215	250	159	91	1	....	....	....
	Centre Walkerton..... " 1	115	18	91	225	53	278	325	225	100	1	....	....	....
	" ..... " 2	101	12	79	193	74	267	300	193	107	1	....	....	....

HERT CARTWRIGHT,
Returning Officer.

	South Walkerton	57	17	108	182	68	250	325	182	143	....	....	....	....
	West Walkerton	189	19	65	275	92	367	400	276	124	2	1	....	....
	Totals	1,893	1,942	1,585	5,446	2,669	8,115	9,077	5,450	3,627	25	4	....	1
	Majority for McCallum		49											

JOHN A. MCDOUGALL,
Returning Officer.

			Johnston	Mac-Intyre	Mewhinney										
West Bruce	Saugeen Tp.	No. 1	50	37	52	140	74	214	228	140	88	1	....	....	....
	"	" 2	79	14	26	119	50	169	180	119	61	....	....	....	....
	"	" 3	48	15	48	111	25	136	149	112	37	....	1	....	....
	"	" 4	30	11	60	105	15	120	129	106	23	4	1	....	....
	"	" 5	31	17	31	80	47	127	140	80	60	1	....	....	....
	Bruce Tp.	" 1	72	9	43	126	78	204	220	126	94	2	....	....	....
	"	" 2	93	20	63	186	47	233	252	186	76	....	....	....	....
	"	" 3	107	16	35	158	70	228	254	159	95	....	1	....	....
	"	" 4	75	10	76	161	59	220	240	162	78	....	1	....	....
	"	" 5	58	6	66	130	46	176	190	130	60	....	....	....	....
	"	" 6	70	10	50	130	98	228	240	130	110	....	....	....	....
	Kincardine Tp.	" 1	132	28	19	180	94	274	290	180	110	1	....	....	....
	"	" 2	167	42	34	245	154	399	420	245	175	2	....	....	....
	"	" 3	80	13	33	126	92	218	220	127	93	....	....	1	....
	"	" 4	129	12	48	190	42	232	250	190	60	1	....	....	....
	"	" 5	97	7	36	142	65	207	220	142	78	2	....	....	....
	Huron Tp.	" 1	143	35	10	188	53	241	250	188	62	....	....	....	....
	"	" 2	136	35	12	184	74	258	269	184	85	1	....	....	....
	"	" 3	142	8	18	172	78	250	260	172	88	4	....	....	....
	"	" 4	56	32	116	205	99	304	319	206	113	1	1	....	....
	"	" 5	140	13	6	160	114	274	292	160	132	1	....	....	....
	"	" 6	74	38	74	187	100	287	280	188	92	1	....	1	....
	Kinloss Tp.	" 1	21	17	9	47	39	86	100	47	53	....	....	....	....
	"	" 2	41	14	11	67	36	103	115	67	48	1	....	....	....
	"	" 3	80	28	31	139	79	218	241	139	102	....	....	....	....
	"	" 4	70	15	83	170	72	242	255	170	85	2	....	....	....
	"	" 5	39	21	23	83	55	138	150	83	67	....	....	....	....
	"	" 6	20	7	53	80	57	137	150	80	70	....	....	....	....
	Southampton Tp.	" 1	21	130	119	270	167	437	470	273	197	....	....	2	1
	"	" 2	8	65	91	165	97	262	280	167	113	1	2	....	....
	"	" 3	3	39	44	86	41	127	140	86	54	....	....	....	....
	Port Elgin	" 1	37	91	181	311	97	408	430	311	119	2	....	....	....
	"	" 2	44	83	210	340	92	432	452	342	110	3	2	....	....
	Tiverton		50	15	93	158	47	205	220	158	62	....	....	....	....
	Kincardine	" 1	24	161	112	299	139	438	471	304	167	2	5	....	....
	"	" 2	25	85	118	231	142	373	402	232	170	3	1	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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West Bruce. —*Con.*		Johnston	MacIntyre	Mewhinney										
	Kincardine.....No. 3	25	113	94	233	126	359	391	234	157	1	....	1	....
	" ..... " 4	3	86	53	143	81	224	241	148	93	1	....	5	....
	Lucknow..... " 1	20	81	182	283	134	417	435	283	152	....	....	....	....
	" ..... " 2	4	62	119	185	73	258	270	185	85	....	....	....	....
	Totals.....	2,544	1,541	2,582	6,715		9,863				37	15	10	1
	Majority for Mewhinney....			38										
		Acres		Grant										
Carleton.....	Nepean.....No. 1	124		45	172	80	252	275	172	103	3	....	....	....
	" ..... " 2	24		25	49	18	67	75	49	26	....	....	....	....
	" ..... " 3	127		38	165	39	204	225	165	60	....	....	....	....
	" ..... " 4	86		42	128	79	207	250	128	122	....	....	....	....
	" ..... " 5	49		51	100	85	185	200	102	98	....	....	2	....
	" ..... " 6	53		80	133	106	239	200	133	67	....	....	....	....
	" ..... " 7	63		26	90	75	165	175	90	85	1	....	....	....
	" ..... " 8	35		43	79	53	132	150	79	71	1	....	....	....
	" ..... " 9	72		28	100	117	217	225	101	124	....	....	1	....
	" ..... " 10	92		71	166	85	251	250	167	83	3	1	....	....
	" ..... " 11	72		19	91	69	160	175	91	84	....	....	....	....
	" ..... " 12	29		28	57	79	136	150	59	91	....	1	1	....
	" ..... " 13	76		48	128	92	220	225	129	96	4	1	....	....

"	"	14	64	15	79	112	191	200	81	119	....	2	....	....
"	"	15	111	40	151	146	297	300	152	148	....	....	1	....
"	"	16	93	38	135	142	277	300	135	165	4	....	....	....
"	"	17	92	28	124	123	247	250	124	126	4	....	....	....
"	"	18	138	39	177	159	336	350	181	169	....	....	4	....
"	"	19	92	40	132	134	266	275	135	140	....	3	....	....
"	"	20	44	20	72	93	165	175	72	103	8	....	....	....
"	"	21	48	25	78	97	175	175	79	96	5	....	1	....
"	"	22	52	36	96	111	207	200	96	104	8	....	....	....
"	"	23	57	34	91	111	202	200	94	106	....	2	1	....
"	"	24	67	57	124	101	223	225	129	96	....	5	....	....
"	"	25	72	62	138	116	254	250	138	112	4	....	....	....
Goulbourn	"	1	56	35	91	56	147	150	91	59	....	....	....	....
"	"	2	129	46	175	45	220	225	175	50	....	....	....	....
"	"	3	74	50	126	83	209	225	126	99	2	....	....	....
"	"	4	99	50	151	21	172	175	151	24	2	....	....	....
"	"	5	93	53	146	12	158	175	146	29	....	....	....	....
"	"	5 A	76	27	103	29	132	175	103	72	....	....	....	....
"	"	6	68	36	104	54	158	175	104	71	....	....	....	....
Marlborough	"	1	53	107	161	74	235	250	161	89	1	....	....	....
"	"	2	50	39	89	71	160	175	89	86	....	....	....	....
"	"	3	100	42	143	23	166	175	144	31	1	1	....	....
"	"	4	13	12	26	54	80	100	26	74	1	....	....	....
North Gower	"	1	123	50	174	66	240	250	174	76	1	....	....	....
"	"	1 A	114	51	165	44	209	225	165	60	....	....	....	....
"	"	2	107	80	188	51	239	250	188	62	1	....	....	....
"	"	3	128	23	152	67	219	225	152	73	1	....	....	....
"	"	4	50	45	95	33	128	150	95	55	....	....	....	....
"	"	5	52	28	80	30	111	125	81	44	....	1	....	....
Richmond	"	1	137	32	169	75	244	250	170	80	....	1	....	....
Fitzroy	"	1	53	116	173	40	213	225	173	52	4	....	....	....
"	"	2	28	109	141	100	241	250	141	109	4	....	....	....
"	"	3	40	110	150	102	248	250	150	100	....	....	....	....
"	"	4	85	45	130	37	167	175	132	43	....	2	....	....
"	"	5	20	66	88	30	118	125	90	35	2	....	2	....
"	"	6	78	152	230	55	285	300	231	69	....	....	....	1
Huntley	"	1	166	22	188	13	201	225	189	36	....	1	....	....
"	"	2	152	71	223	55	278	300	223	77	....	....	....	....
"	"	2 A	137	71	210	66	276	275	212	63	2	2	....	....
"	"	3	24	56	81	69	150	150	81	69	1	....	....	....
"	"	4	8	112	120	72	192	200	120	80	....	....	....	....
March	"	1	121	46	168	95	263	275	169	106	1	1	....	....
"	"	2	70	85	157	102	259	300	157	143	2	....	....	....
Torbolton	"	1	30	97	127	55	182	200	127	73	....	....	....	....
"	"	2	125	74	199	97	296	300	199	101	....	....	....	....

HAROLD E. WALLACE,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.				Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
						Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers	Ballot Papers taken from Polling Places.
Carleton.—*Con.*..	Victoria Ward.....No. 13	Acres 215		Grant 14		229	106	335	350	239	111	....	....	10	....
	" ..... " 13 A	106		13		121	82	203	225	121	104	2	....	....	....
	Totals.....	4,813		3,049		7,935	4,474	12,409	13,075	7,983	5,092	73	24	23	1
	Majority for Acres.....	1,764													
		Lang	O'Neil	Seymour	Vanier										
Cochrane.....	Grant.....No. 1	26	21	1	9	57	95	152	175	59	116	2	....	....	....
	Pogwa River..... " 2	5	3	.....	2	10	25	35	50	10	40	....	....	....	....
	Ryland..... " 3	28	9	.....	8	45	54	99	125	47	78	2	....	....	....
	Stavert..... " 4	5	41	3	35	84	80	164	175	85	90	1	....	....	....
	Wyburn..... " 5	21	37	4	9	71	60	131	150	74	76	3	....	....	....
	Hearst..... " 6	70	59	2	20	151	74	225	250	156	94	....	5	....	....
	" ..... " 7	43	10	.....	19	72	115	187	200	73	127	1	....	....	....
	" ..... " 8	27	18	4	14	63	53	116	125	68	57	5	....	....	....
	Omo..... " 9	4	1	3	2	10	13	23	25	10	15	....	....	....	....
	Mattice..... " 10	21	5	3	30	59	77	136	150	62	88	3	....	....	....
	Secord..... " 11	60	6	.....	5	71	120	191	200	71	129	....	....	....	....
	Kapuskasing..... " 12	93	49	4	29	175	392	567	600	178	422	2	1	....	....
	" ..... " 13	7	11	.....	4	22	118	140	150	23	127	1	....	....	....
	Kittigan..... " 14	12	3	1	9	25	32	57	75	26	49	....	1	....	....
	Moonbeam..... " 15	52	1	4	44	101	102	203	225	111	114	1	9	....	....

Fauquier	"	16	89	34	.....	32	155	255	472	400	157	243	2	....	....	....	
Gregoire's Mills	"	16 A	37	5	1	19	62			125	64	61	1	1	....	....	
Strickland	"	17	3	7	.....	10	20	24	44	50	20	30	....	....	....	....	
Jacksonboro	"	18	8	48	.....	8	64	19	83	100	65	35	....	1	....	....	
Smooth Rock Falls	"	19	51	20	6	55	132	43	175	200	133	67	1	....	....	....	
Driftwood	"	20	7	9	7	11	34	58	92	100	34	66	....	....	....	....	
Hunta	"	21	19	13	2	.....	34	53	87	100	34	66	....	....	....	....	
Frederickhouse	"	22	22	7	4	49	82	68	150	175	82	93	....	....	....	....	
Clute	"	23	18	9	4	24	55	66	121	150	58	92	2	1	....	....	
Glackmeyer	"	24	16	.....	1	55	72	293	459	200	72	128	....	....	....	....	
"	"	25	8	3	1	82	94			200	94	106	....	....	....	....	
Cochrane	"	26	7	4	.....	27	38	67	105	125	38	87	....	....	....	....	
Brower	"	27	23	20	3	23	69	41	110	125	71	54	1	1	....	....	
Nahma	"	28	11	3	.....	9	23	18	41	50	24	26	....	1	....	....	
Norembega	"	29	25	2	1	63	91	108	199	200	91	109	....	....	....	....	
Hughes	"	30	.....	.....	.....	.....	.....	.....	.....	100	.....	100	....	....	....	....	
Low Bush	"	31	3	13	.....	6	22	30	52	75	22	53	....	....	....	....	
Lightning River	"	32	3	2	1	.....	6	9	15	25	7	18	1	....	....	....	
Holland	"	33	9	7	1	6	23	49	72	75	23	52	....	....	....	....	
Devonshire	"	34	8	9	1	5	23	31	54	75	23	52	....	....	....	....	
Nellie Lake	"	35	9	3	1	17	30	20	50	75	30	45	....	....	....	....	
Porquis Junction	"	36	29	49	2	7	87	71	158	175	87	88	....	....	....	....	
Victoria	"	37	2	8	.....	28	.....	.....	.....	150	38	112	....	....	....	....	
Ausonville	"	38	49	15	4	133	201	406	607	650	204	446	3	....	....	....	
"	"	39	11	3	2	68	84	159	243	275	87	188	....	2	1	....	
Goldlands	"	40	2	16	1	8	27	24	51	75	27	48	....	....	....	....	
Monteith	"	41	54	21	2	36	113	81	194	225	114	111	....	....	1	....	
Shillington	"	42	23	34	3	7	67	58	125	150	68	82	....	....	1	....	
Val Gagné	"	43	61	11	2	26	100	84	184	200	102	98	1	1	....	....	
Homer	"	44	32	8	2	23	65	56	121	150	65	85	....	....	....	....	
Watabeag	"	45	3	18	1	17	39	47	86	100	39	61	....	....	....	....	
Matheson	"	46	44	60	.....	30	134	129	263	300	135	165	1	....	....	....	
Blue Quartz Mine	"	47	7	7	.....	12	26	44	70	100	27	73	....	1	....	....	
Ramore	"	48	101	12	1	15	129	62	191	200	129	71	....	....	....	....	
Bourkes	"	49	3	12	.....	17	32	18	50	75	32	43	....	....	....	....	
Sesekinika	"	50	4	.....	.....	4	8	4	12	25	8	17	....	....	....	....	
Yorkston	"	51	2	27	3	.....	32	27	59	75	33	42	....	1	....	....	
Goodfish Lake	"	52	3	7	.....	4	14	13	27	50	15	35	1	....	....	....	
Kenogami	"	53	6	8	.....	4	18	6	24	50	19	31	....	....	....	....	
McIntosh Springs	"	54	21	.....	.....	17	38	18	56	75	38	37	....	....	....	....	
Connaught	"	55	94	26	.....	9	129	95	224	250	129	121	....	....	....	....	
Dugwae	"	56	20	1	.....	3	34	45	79	100	35	65	1	....	....	....	
Porcupine Pen Mine	"	57	42	6	.....	5	53	33	86	100	54	46	1	....	....	....	
Hoyle	"	58	9	1	1	15	26	25	51	75	26	49	....	....	....	....	
Porcupine	"	59	50	7	.....	8	65	65	130	150	65	85	....	....	....	....	

OLIVER PAUZE,
Returning Officer.

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.				Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
						Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Lang	O'Neil	Seymour	Vanier										
Cochrane.—*Con.*.	Poll Cancelled.....No. 60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mattagami Heights..... " 61	54	15	4	22	95	179	274	300	99	201	3	1	.....	.....
	Swastika..... " 62	47	39	1	58	145			400	153	247	8	.....	.....	.....
	Kirkland Lake..... " 63	40	14	1	32	87	957	1,453	500	87	413	.....	.....	.....	.....
	" ..... " 64	78	59	.....	60	197			500	205	295	.....	8	.....	.....
	Tough-Oakes Mine..... " 65	8	17	1	41	67			200	67	133	.....	.....	.....	.....
	Bidgood Mine..... " 66	10	2	.....	5	17	23	40	50	17	33	.....	.....	.....	.....
	Argonaut Mine..... " 67	12	9	2	29	52	82	134	150	52	98	.....	.....	.....	.....
	Mileage 20..... " 68	4	3	.....	4	11	24	35	50	11	39	.....	.....	.....	.....
	" 45..... " 69	13	6	.....	2	21	22	43	50	21	29	.....	.....	.....	.....
	" 54..... " 70	1	4	.....	.....	5	1	6	25	6	19	.....	.....	.....	.....
	" 64..... " 71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	South Porcupine..... " 72	126	64	1	32	223	183	406	450	229	221	.....	6	.....	.....
	" ..... " 73	88	57	.....	17	162	163	325	350	166	184	3	1	.....	.....
	Dome Mine..... " 74	27	206	.....	17	250	302	552	600	254	346	4	.....	.....	.....
	Schumacher..... " 75	125	64	4	63	256	417	673	725	258	467	2	.....	.....	.....
	Moneta..... " 76	71	32	1	23	127	382	509	550	129	421	2	.....	.....	.....
	Rochester Mine..... " 77	26	23	.....	17	66	113	179	200	66	134	.....	.....	.....	.....
	Cochrane..... " 78	50	26	1	124	201	246	447	475	206	269	5	.....	.....	.....
	" ..... " 79	54	17	1	80	152	172	324	350	152	198	.....	.....	.....	.....
	" ..... " 80	70	56	1	68	195	165	360	400	199	201	4	.....	.....	.....
	" ..... " 81	66	41	1	44	152	229	381	400	156	244	4	.....	.....	.....
	Timmins..... " 82	72	62	1	37	172	506	678	700	172	528	.....	.....	.....	.....
	" ..... " 83	35	26	.....	19	80	255	335	375	82	293	2	.....	.....	.....

"	"	84	39	37	.....	16	92	233	325	375	92	283	....	....	....	....
"	"	85	47	25	.....	17	89	310	399	450	92	358	....	....	3	....
"	"	86	34	36	.....	32	102	292	394	425	103	322	1	....	....	....
"	"	87	73	55	3	44	175	517	692	750	178	572	....	3	....	....
"	"	88	27	17	.....	7	51	258	309	350	52	298	1	....	....	....
Iroquois Falls	"	89	15	63	1	96	175	239	414	450	185	265	8	2	....	....
"	"	90	15	38	.....	91	144	143	287	300	147	153	2	1	....	....
"	"	91	10	38	1	63	112	102	214	250	112	138	....	....	....	....
Paymaster Mine	"	92	16	11	1	8	36	40	76	100	36	64	....	....	....	....
Hayden Mine	"	93	11	14	.....	7	32	43	75	100	32	68	....	....	....	....
Sturgeon Falls	"	94	49	11	1	12	73	29	102	125	73	52	....	....	....	....
Vimy Ridge	"	95	9	16	.....	33	58	97	155	175	59	116	....	1	....	....
Crown Reserve	"	96	21	9	.....	6	36	18	54	75	36	39	....	....	....	....
Twin Falls	"	97	1	5	.....	11	17	10	27	50	17	33	....	....	....	....
Moose Factory	"	98	46	1	.....	.....	47	17	64	75	48	27	....	1	....	....
Matheson	"	99	73	88	1	2	164	90	254	275	165	110	....	1	....	....
Porcupine	"	100	17	7	.....	.....	24	26	50	75	24	51	....	....	....	....
Cochrane, R.R. No. 1			18	6	1	27	.....	.....	.....	100	54	46	....	2	....	....
Hearst, R.R. No. 2			1	1	.....	1	.....	.....	.....	50	3	46	....	....	....	....
Grant, R.R. No. 3			7	3	.....	8	.....	.....	.....	50	18	32	....	....	....	....
Totals			3,138	2,172	116	2,511	7,937	11,117	18,943	21,575	8,084	13,491	86	53	6	....
Majority for Lang			627													

W. A. Henry, Returning Officer.

				McKeown	Slack										
Dufferin	Grand Valley	No.	1	113	55	168	116	284	300	168	128	1	3	....	....
"	"	"	2	45	42	87	41	128	150	89	62	....	1	....	....
	Mono	"	1	82	48	130	35	165	175	130	44	1	....	....	....
	"	"	2	74	43	117	37	154	175	117	58	....	....	....	....
	"	"	3	72	56	128	39	167	200	128	72	....	....	....	....
	"	"	4	62	78	140	53	193	200	140	60	....	....	....	....
	"	"	5	62	92	154	35	189	225	154	67	....	4	....	....
	"	"	6	83	152	235	51	286	300	235	62	....	3	....	....
	"	"	7	99	69	168	49	217	225	168	56	1	....	....	....
	Amaranth	"	1	38	58	96	43	139	150	96	50	4	....	....	....
	"	"	2	93	144	237	79	316	325	237	88	....	....	....	....
	"	"	3	82	40	122	81	203	225	122	102	1	....	....	....
	"	"	4	32	130	162	75	237	250	162	87	1	....	....	....
	"	"	5	74	101	175	73	248	250	175	74	1	....	....	....
	"	"	6	63	51	114	53	167	175	114	60	1	....	....	....
	"	"	7	13	68	81	31	112	125	81	44	....	....	....	....
	Melancthon	"	1	118	121	239	77	316	375	239	135	....	....	1	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places,
		McKeown	Slack										
Dufferin.—*Con...*	Melancthon.....No. 2	18	75	93	28	121	125	93	32	....	....	....	....
	" ..... " 3	58	94	152	56	208	225	152	73	....	....	....	....
	" ..... " 4	49	142	191	76	267	275	191	80	4	....	....	....
	" ..... " 5	33	150	183	52	235	250	183	65	2	....	....	....
	" ..... " 6	88	133	221	90	311	325	221	102	2	....	....	....
	" ..... " 7	38	110	148	56	204	225	148	75	2	....	....	....
	" ..... " 8	38	57	95	24	119	125	95	30	....	....	....	....
	East Luther..... " 1	43	92	135	43	178	200	135	65	....	....	....	....
	" ..... " 2	56	134	190	54	244	250	190	59	....	....	1	....
	" ..... " 3	64	135	199	36	235	250	199	48	3	....	....	....
	Mulmur..... " 1	182	62	244	50	294	400	244	156	....	....	....	....
	" ..... " 2	59	26	85	32	117	125	85	38	....	....	2	....
	" ..... " 3	126	92	218	83	301	325	218	106	1	....	....	....
	" ..... " 4	76	29	105	75	180	200	105	94	....	....	1	....
	" ..... " 5	111	69	180	88	268	275	180	94	1	....	....	....
	" ..... " 6	108	85	193	88	281	250	193	57	....	....	....	....
	East Garafraxa..... " 1	22	70	92	27	119	125	92	33	....	....	....	....
	" ..... " 2	26	57	83	22	105	125	83	42	....	....	....	....
	" ..... " 3	39	40	79	46	125	125	79	44	1	1	....	....
	" ..... " 4	84	93	177	74	251	275	177	94	1	3	....	....
	" ..... " 5	92	63	155	67	222	250	155	95	....	....	....	....
	Orangeville, North....A to M " 1	136	69	205	89	294	300	205	95	....	....	....	....
	" " .....N to Z " 2	66	23	89	39	128	150	89	60	1	....	....	....
	" West.....A to M " 1	142	59	201	110	311	325	201	122	2	....	....	....
	" " .....N to Z " 2	48	21	69	44	113	125	69	56	....	....	....	....

	" East.....A to M "	1	156	42	198	153	351	350	198	144	6	2	....	....
	" " .....N to Z "	2	85	16	101	60	161	175	101	74	....	....	....	....
	" South....A to M "	1	206	64	270	118	388	400	270	125	4	1	....	....
	" " ....N to Z "	2	73	45	118	46	164	175	118	57	....	....	....	....
	Shelburne..... "	1	205	106	311	102	413	450	311	138	1	....	....	....
	" ..... "	2	166	74	240	112	352	375	240	134	1	....	....	....
	Totals.....		3,898	3,675	7,573	3,008	10,581	11,375	7,573	3,736	43	18	5	....
	Majority for McKeown.....		223											

MACK THORPE, Returning Officer.

			Casselman	Sweet										
Dundas.....	Mountain.....A to H	No. 1	72	75	147	76	223	239	148	91	1	....	....	....
	" .....I to Z "	1	50	78	128	84	212	225	132	93	3	1	....	....
	" .....A to H "	2	31	89	120	36	156	200	122	98	1	1	....	....
	" .....I to Z "	2	49	75	124	44	178	200	124	76	....	....	....	....
	" ..... "	3	49	95	144	93	237	300	147	153	2	1	....	....
	" .....A to H "	4	34	84	118	62	180	250	121	129	3	....	....	....
	" .....I to Z "	4	32	75	107	61	168	200	107	93	....	....	....	....
	" .....A to H "	5	63	67	130	47	177	226	130	96	....	....	....	....
	" .....I to Z "	5	56	99	155	43	198	250	157	93	....	....	2	....
	" ..... "	6	37	31	68	29	97	200	68	132	....	....	....	....
	Morrisburg.....A to H "	1	51	45	96	73	169	175	98	77	1	1	....	....
	" .....I to Z "	1	56	40	96	70	166	175	97	78	1	....	....	....
	" .....A to H "	2	58	78	136	74	210	227	136	91	....	....	....	....
	" .....I to Z "	2	52	49	101	55	156	150	101	49	....	....	....	....
	" .....A to H "	3	66	43	109	76	185	200	110	90	1	....	....	....
	" .....I to Z "	3	45	70	115	74	189	200	117	83	2	....	....	....
	Chesterville.....A to H "	1	83	33	116	33	149	175	116	59	....	....	....	....
	" .....I to Z "	1	100	33	133	62	195	250	138	112	2	3	....	....
	" ..... "	2	109	79	188	40	228	250	192	58	4	....	....	....
	Winchester.....A to H "	1	34	93	127	46	173	200	127	73	....	....	....	....
	" .....I to Z "	1	19	107	126	47	173	200	129	71	3	....	....	....
	" .....A to H "	2	25	112	137	72	209	252	138	114	....	1	....	....
	" .....I to Z "	2	37	158	195	58	253	276	196	80	....	1	....	....
	Iroquois.....A to H "	1	45	66	111	73	184	199	115	84	4	....	....	....
	" .....I to Z "	1	52	76	128	63	191	225	128	97	....	....	....	....
	" ..... "	2	28	121	149	88	237	249	152	97	3	....	....	....
	Matilda..... "	1	73	40	113	73	186	201	114	87	1	....	....	....
	" ..... "	2	58	34	92	97	189	226	92	134	....	....	....	....
	" .....A to H "	3	33	75	108	12	120	250	108	142	....	....	....	....
	" .....1 to Z "	3	20	51	71	152	223	150	71	79	....	....	....	....
	" .....A to H "	4	34	27	61	56	117	150	62	88	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Casselman	Sweet										
Dundas.—*Con...*	Matilda.....I to Z No. 4	63	49	112	78	190	199	113	86	1	....	....	....
	" ..... " 5	120	42	162	94	256	252	166	86	4	....	....	....
	" .....A to H " 6	34	65	99	49	148	150	100	50	1	....	....	....
	" .....I to Z " 6	45	76	121	48	169	175	125	50	2	....	2	....
	" ..... " 7	29	112	141	63	204	229	142	87	1	....	....	....
	" ..... " 8	17	54	71	45	116	125	72	53	....	1	....	....
	" ..... " 9	24	64	88	72	160	176	89	87	....	....	1	....
	Winchester..... " 1	102	44	146	60	206	225	149	76	2	1	....	....
	" ..... " 2	67	76	143	41	184	175	143	32	....	....	....	....
	" ..... " 3	53	71	124	44	168	200	124	76	....	....	....	....
	" ..... " 4	26	104	130	52	182	200	130	70	....	....	....	....
	" ..... " 5	81	43	124	109	233	276	126	150	2	....	....	....
	" .....A to H " 6	90	71	161	87	248	272	161	111	....	....	....	....
	" .....I to Z " 6	76	56	132	86	218	250	132	118	....	....	....	....
	" ..... " 7	104	88	192	69	261	300	192	108	....	....	....	....
	" ..... " 8	34	62	96	35	131	176	98	78	2	....	....	....
	Williamsburg..... " 1	86	46	132	84	216	200	132	68	....	....	....	....
	" ..... " 2	48	29	77	71	148	200	78	122	1	....	....	....
	" ..... " 3	70	60	130	111	241	275	133	142	1	1	1	....
	" .....A to H " 4	52	49	101	60	161	200	102	93	1	....	....	....
	" .....I to Z " 4	82	37	119	99	218	251	122	129	2	1	....	....
	" ..... " 5	53	60	113	62	175	201	114	87	1	....	....	....
	" ..... " 6	112	58	170	72	242	225	170	55	....	....	....	....
	" ..... " 7	60	55	115	67	182	151	115	36	....	....	....	....
	" ..... " 8	16	43	59	22	81	125	59	66	....	....	....	....

	" ..... " 9	47	40	87	69	156	175	88	87	1	....	....	....
	" ..... " 10	63	21	84	48	132	151	84	67	....	....	....	....
	Totals.....	3,205	3,773	6,978	3,766	10,744	0,000	0,000	0,000	55	13	6	....
	Majority for Sweet.....		568										
		Staples	Fallis										
Durham, East....	Port Hope, North.....No. 1	99	199	298	251	549	600	299	301	1	....	....	....
	" South..... " 1	50	209	259	140	399	500	261	239	1	....	1	....
	" East..... " 2	21	78	99	91	190	250	104	146	5	....	....	....
	" West..... " 2	76	293	369	287	656	750	370	380	1	....	....	....
	" East..... " 3	74	147	221	159	380	500	225	275	3	1	....	....
	" West..... " 3	70	144	214	176	390	500	218	282	2	1	1	....
	Hope Tp..... " 1	74	40	114	86	200	250	115	135	1	....	....	....
	" ..... " 2	190	64	254	203	457	500	255	245	1	....	....	....
	" ..... " 3	84	33	117	139	256	250	120	130	3	....	....	....
	" ..... " 4	64	73	137	136	273	300	139	161	....	2	....	....
	" ..... " 5	61	124	185	101	286	300	190	110	5	....	....	....
	" ..... " 6	87	67	154	103	257	250	154	96	....	....	....	....
	Manvers Tp..... " 1	37	48	85	78	163	200	85	115	....	....	....	....
	" ..... " 2	38	70	108	62	170	200	110	90	....	....	2	....
	" ..... " 3	59	116	175	134	309	400	177	223	2	....	....	....
	" ..... " 4	34	83	117	72	189	200	122	78	5	....	....	....
	" ..... " 5	75	193	268	69	337	500	268	232	....	....	....	....
	" ..... " 6	64	94	158	105	263	300	159	141	1	....	....	....
	" ..... " 7	62	124	186	100	286	400	187	213	1	....	....	....
	Cavan Tp..... " 1	47	144	191	49	240	250	194	56	1	....	2	....
	" ..... " 2	86	119	205	59	264	300	208	92	1	2	....	....
	" ..... " 3	142	103	245	85	330	400	247	153	2	....	....	....
	" ..... " 4	178	85	263	98	361	400	264	136	....	1	....	....
	" ..... " 5	132	86	218	103	321	400	218	182	....	....	....	....
	Millbrook..... " 1	54	171	225	40	265	300	227	73	2	....	....	....
	" ..... " 2	48	133	181	64	245	300	183	117	1	1	....	....
	Totals.....	2,006	3,040	5,046	2,990	8,036	9,500	5,099	4,401	39	8	6	....
	Majority for Fallis.....		1,034										

JACOB N. GREENAWAY, Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Bragg	Chapman	Van Camp									
Durham, West...	Bowmanville, West Ward....No. 1		87	9	66	162	85	245	250	165	85	1	2	....
	" " .... " 2		112	14	92	218	131	355	350	219	131	....	1	....
	" North Ward...Pt. 1 " 1		79	4	85	168	84	245	253	169	84	1	....	....
	" " ...Pt. 2 " 1		69	1	64	134	42	176	200	134	66	....	....	....
	" " ...Pt. 1 " 2		156	10	89	255	88	343	333	258	75	....	2	....
	" " ...Pt. 2 " 2		101	16	73	190	103	290	300	192	108	1	1	....
	" South Ward..... " 1		136	11	122	269	125	396	350	270	80	....	1	....
	" " ..... " 2		74	11	94	179	145	324	300	184	116	....	5	....
	Newcastle, Uglow Store..... " 1		59	14	69	132	74	206	225	133	82	....	1	....
	" Court House..... " 2		92	1	69	162	67	229	225	164	61	....	....	....
	Clarke, Pt. 1..... " 1		17	28	30	75	27	102	200	75	125	....	....	....
	" " 2..... " 1		29	28	25	82	67	149	200	82	118	....	....	....
	Brown's School..... " 2		41	23	31	95	63	158	200	95	105	....	....	....
	Lockhart's..... " 3		71	13	13	97	57	154	225	98	127	....	....	....
	Kendal..... " 4		32	37	71	130	99	229	250	131	109	....	....	....
	Orno, Town Hall, Pt. 1..... " 5		41	47	36	124	49	173	225	126	99	1	1	....
	" " 2..... " 5		48	33	32	113	45	158	225	114	111	....	1	....
	Leskland..... " 6		51	28	30	109	76	185	225	109	116	....	....	....
	Moffatt's..... " 7		15	23	21	59	42	101	200	59	141	....	....	....
	Stackville..... " 8		32	21	24	77	101	178	200	77	123	....	....	....
	Orno, Town Hall, Pt. 1..... " 9		53	17	42	112	72	184	200	112	88	....	....	....
	" " 2..... " 9		53	16	61	130	61	191	233	130	103	....	....	....
	Darlington, Pt. 1..... " 1		115	41	16	172	50	222	220	172	48	....	....	....
	" " 2..... " 1		68	17	15	100	63	163	200	100	100	....	....	....
	" " 1..... " 2		36	34	43	113	32	145	225	113	112	....	....	....

MONTAGUE J. HOLMAN,
Returning Officer.

	" " 2	" 2	34	54	41	129	22	151	200	130	70	1	....	....	....
	" " 3	" 3	39	79	47	165	106	271	233	167	66	....	2	....	....
	" " 1	" 4	62	38	29	129	53	182	225	130	95	....	1	....	....
	" " 2	" 4	49	19	40	108	52	160	175	108	64	....	3	....	....
	" " 1	" 5	39	20	74	133	12	145	175	136	39	3	....	....	....
	" " 2	" 5	43	30	39	112	88	200	175	112	63	....	....	....	....
	" " 1	" 6	34	41	17	92	88	205	225	92	133	....	....	....	....
	" " 2	" 6	30	68	12	110	80	190	200	110	90	....	....	....	....
	" " 1	" 7	80	24	17	121	35	156	175	124	51	1	....	....	....
	" " 2	" 7	52	35	18	105	67	172	175	107	68	1	....	1	....
	Cartwright, Pt. 1	" 1	30	15	97	142	21	163	200	142	58	....	....	....	....
	" " 2	" 1	14	9	94	117	68	185	200	118	83	1	....	....	....
	"	" 2	48	21	89	158	45	203	250	159	91	1	....	....	....
	"	" 3	22	24	108	154	67	221	215	154	61	....	....	....	....
	"	" 4	52	41	79	172	49	221	225	172	53	....	....	....	....
	Totals.....		2,295	1,015	2,114	5,424	2,573	8,034	9,072	5,461	2,028	....	....	....	....
	Majority for Bragg.....		181									(?)			
			Dance	McKnight	Smith										
Elgin, East.....	Bayham..... No.	1 A	40	71	34	146	154	300	300	146	154	1	....	....	....
	" ..... "	1 B	29	33	18	81	168	249	300	81	219	1	....	....	....
	" ..... "	2	11	36	39	87	113	186	200	87	113	1	....	....	....
	" ..... "	3	20	38	44	103	69	172	200	103	97	1	....	....	....
	" ..... "	4	40	72	32	147	150	296	325	147	178	3	....	....	....
	" ..... "	5	30	106	56	192	106	298	300	192	108	....	....	....	....
	" ..... "	6	18	73	51	144	171	315	325	144	181	2	....	....	....
	" ..... "	7	23	59	14	97	17	114	125	97	28	1	....	....	....
	" ..... "	8	4	36	51	91	69	160	200	91	109	....	....	....	....
	Yarmouth..... "	1	61	63	100	227	150	377	350	227	123	1	2	....	....
	" ..... "	2	4	60	29	93	93	186	175	93	82	....	....	....	....
	" ..... "	3	50	93	124	268	89	357	375	268	107	1	....	....	....
	" ..... "	4	31	105	109	245	119	364	375	245	130	....	....	....	....
	" ..... "	5	52	56	79	187	77	264	275	187	88	....	....	....	....
	" ..... "	6	61	86	49	196	227	423	475	196	279	....	....	....	....
	" ..... "	7	28	40	63	132	72	204	225	132	93	1	....	....	....
	" ..... "	8	73	118	72	264	102	366	375	264	111	1	....	....	....
	" ..... "	9	38	85	19	143	102	245	275	143	132	1	....	....	....
	" ..... "	10	20	26	25	71	71	142	150	71	79	....	....	....	....
	" ..... "	11	37	18	70	125	80	205	225	125	100	....	....	....	....
	" ..... "	12	18	73	26	118	56	174	200	118	82	1	....	....	....
	Port Stanley..... "	1	29	157	11	198	145	343	350	198	152	1	....	....	....
	" ..... "	2	26	86	6	118	61	179	375	118	257	....	....	....	....

J. R. Teeple,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Elgin, East. —*Con*.....	Springfield.....	Dance	McKnight	Smith										
		76	114	13	206	103	309	325	206	119	1	1	1	....
	Vienna.....	32	27	13	72	127	199	225	72	153	....	....	....	....
	South Dorchester.....No. 1	76	80	33	189	93	282	300	189	111	....	....	....	....
	" ..... " 2	61	71	67	199	94	293	300	199	101	....	....	....	....
	" ..... " 3	68	43	87	200	118	318	325	200	125	2	....	....	....
	Malahide..... " 1 A	41	60	51	154	50	204	225	154	71	....	....	....	2
	" ..... " 1 B	11	49	75	135	71	206	225	135	90	....	....	....	....
	" ..... " 2	65	98	68	235	106	341	375	235	140	3	1	....	....
	" ..... " 3	43	77	112	235	75	310	325	235	90	3	....	....	....
	" ..... " 4	42	73	33	150	77	227	250	150	100	2	....	....	....
	" ..... " 5	61	113	53	228	128	356	375	228	147	....	....	1	....
	" ..... " 6	64	101	31	198	95	293	300	198	102	2	....	....	....
	Aylmer..... " 1 A	126	99	13	238	90	328	350	238	112	....	....	....	....
	" ..... " 1 B	80	60	10	150	177	327	350	150	200	....	....	....	....
	" ..... " 2 A	98	120	7	226	89	315	350	226	124	1	....	....	....
	" ..... " 2 B	92	73	9	175	139	314	350	175	175	1	....	....	....
	" ..... " 3	139	120	11	274	154	428	450	274	176	3	1	....	....
		1,918	2,968	1,807	6,737	4,247	10,969	11,875	6,737	5,138	35	7	4	....
	Majority for McKnight.....		1,050											

				Cameron	Horton	Macdiarmid										
Elgin, West	Rodney	No.	1	20	61	110	191	72	263	300	191	108	....	....	....	....
	"	"	2	8	66	117	191	70	261	275	191	84	....	....	....	....
	West Lorne	"	1	11	76	129	216	74	290	300	216	83	1	....	....	....
	"	"	2	19	76	104	199	62	261	275	199	75	....	1	....	....
	Aldborough	"	1 A	106	7	35	148	57	205	225	148	77	....	....	....	....
	"	"	1 B	74	5	25	104	63	167	175	104	71	....	....	....	....
	"	"	2	92	17	60	169	83	252	275	169	104	2	....	....	....
	"	"	3	49	14	113	176	90	266	275	176	98	....	1	....	....
	"	"	4	74	24	113	211	63	274	275	211	64	....	....	....	....
	"	"	5	58	39	66	163	69	232	250	163	84	2	1	....	....
	"	"	6	27	39	53	119	60	179	200	119	80	1	....	....	....
	"	"	7	23	45	76	144	38	192	200	144	56	....	....	....	....
	"	"	8	62	33	23	118	29	147	150	118	31	1	....	....	....
	Dutton	"	1 A	20	75	119	214	94	308	325	214	109	1	1	....	....
	"	"	1 B	35	88	107	230	68	298	300	230	70	....	....	....	....
	Southwold	"	1 A	77	21	33	131	67	198	200	131	69	1	....	....	....
	"	"	1 B	41	11	49	101	57	158	175	101	74	....	....	....	....
	"	"	2	64	36	26	126	48	174	175	126	49	2	....	....	....
	"	"	3	109	63	46	218	45	263	275	218	53	2	....	1	....
	"	"	4	41	107	83	231	85	316	325	231	91	1	....	....	....
	"	"	5	42	19	47	108	48	156	175	108	66	....	....	....	....
	"	"	6 A	50	27	85	162	69	231	250	162	88	....	....	....	....
	"	"	6 B	46	15	49	110	77	187	200	110	90	....	....	....	....
	"	"	7	88	38	87	213	115	328	350	213	137	1	....	....	....
	"	"	8	117	12	33	162	126	288	300	162	261	2	....	1	....
	Dunwich	"	1	63	66	80	209	118	327	350	209	139	1	1	....	....
	"	"	2	100	23	76	199	89	288	300	199	100	1	....	....	....
	"	"	3	55	37	45	137	52	189	200	137	62	....	1	....	....
	"	"	4	48	42	19	109	56	165	175	109	66	....	....	....	....
	"	"	5	97	72	19	188	54	242	250	188	62	....	....	....	....
	"	"	6	67	63	12	142	52	194	200	142	57	1	....	....	....
	"	"	7	63	40	52	155	105	260	275	155	120	....	....	....	....
	"	"	8	26	52	69	147	46	193	200	147	53	....	....	....	....
	City of St. Thomas	"	1	15	98	148	261	250	511	525	268	261	2	....	1	....
	"	"	2 A	27	118	157	302	226	528	550	302	248	....	....	....	....
	"	"	2 B	33	87	144	264	236	500	500	244	232	4	....	....	....
	"	"	3 A	32	71	123	226	232	458	475	226	244	2	....	....	....
	"	"	3 B	28	90	84	202	228	430	450	284	246	2	....	....	....
	"	"	4 A	16	102	143	261	315	576	600	261	336	1	....	....	2
	"	"	4 B	20	116	135	271	307	578	600	275	326	4	....	....	....
	"	"	5 A	51	41	137	229	230	459	475	229	244	2	....	....	....
	"	"	5 B	38	60	108	206	197	403	425	206	216	....	3	....	....
	"	"	6 A	15	36	81	132	325	457	475	132	341	2	....	....	....
	"	"	6 B	18	73	75	166	280	446	450	166	282	1	1	....	....

JOHN A. MATHESON, Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Elgin, West.		Cameron	Horton	Macdiarmid										
—*Con*.....	City of St. Thomas.....No. 7	43	79	155	277	358	635	650	277	368	....	5	....	....
" ..... " 8 A		14	80	83	177	182	359	425	177	243	5	....	....	....
" ..... " 8 B		18	99	47	164	183	347	350	164	185	1	....	....	....
" ..... " 9		76	80	145	301	323	624	625	301	320	1	3	....	....
" ..... " 10 A		32	47	72	151	157	308	325	151	170	....	3	....	....
" ..... " 10 B		21	50	91	162	167	329	350	162	186	1	....	....	1
" ..... " 10 C		43	47	77	167	172	339	350	167	183	1	....	1	....
" ..... " 11 A		25	62	72	159	211	370	375	159	216	....	....	....	....
" ..... " 11 B		44	60	77	181	309	390	400	181	215	3	....	....	....
" ..... " 12		41	97	158	296	308	604	625	296	323	6	....	....	....
" ..... " 13 A		25	62	79	166	207	373	375	166	221	....	....	....	....
" ..... " 13 B		28	65	61	154	198	352	375	154	218	....	....	3	....
" ..... " 13 C		27	65	96	188	173	361	375	188	193	3	1	....	....
" ..... " 13 D		42	43	86	171	191	362	375	171	200	3	....	....	....
" ..... " 14 A		27	43	74	144	182	326	350	144	205	1	....	....	....
" ..... " 14 B		28	37	78	143	195	338	350	143	206	1	....	....	....
" ..... " 14 C		25	52	88	165	188	353	375	165	206	1	....	....	....
" ..... " 15		24	50	84	158	111	269	375	158	112	4	1	....	....
Advance Poll.....		25	161	171	357	.....	.....	450	357	91	2	....	....	....
Totals.....		2,773	3,580	5,289	11,642	8,842	20,127	21,475	11,642	9,734	74	23	6	3
						less 357								
Majority for Macdiarmid....				1,709		8,485								

				Tellier	Tisdelle									
Essex, North	Amherstburg	No.	1	56	19	76	148	224	250	76	174	1	....	....	....
	"	"	1 A	55	11	67	89	156	150	67	83	1	....	....	....
	"	"	2	75	16	91	185	276	300	93	207	....	....	2	....
	"	"	2 A	78	17	95	141	236	250	95	155	....	....	....	....
	"	"	3	105	44	152	93	245	250	152	98	3	....	....	....
	"	"	3 A	65	24	92	262	354	350	92	258	3	....	....	....
	Anderdon	"	1	25	71	97	207	304	300	97	207	....	1	....	....
	"	"	2	19	73	93	50	143	150	93	57	1	....	....	....
	"	"	3	126	24	150	130	280	300	150	150	....	....	....	....
	"	"	4	64	78	142	104	246	250	142	108	....	....	....	....
	Belle River	"	1	118	24	144	56	200	200	144	56	1	1	....	....
	"	"	1 A	80	24	106	44	150	150	106	44	1	1	....	....
	Ford City	"	1	101	13	114	184	298	300	114	186	....	....	....	....
	"	"	1 A	140	18	158	204	362	375	158	217	....	....	....	....
	"	"	2	80	16	100	295	395	400	100	300	3	1	....	....
	"	"	2 A	130	13	143	268	411	425	143	281	....	....	....	....
	"	"	3	44	3	47	132	181	200	49	151	....	....	2	....
	"	"	3 A	64	16	80	124	204	200	80	120	....	....	....	....
	"	"	4	64	13	78	169	247	250	78	172	1	....	....	....
	"	"	4 A	93	16	110	137	182	200	110	90	1	....	....	....
	Maidstone	"	1	91	43	135	107	242	250	135	115	1	....	....	....
	"	"	2	44	59	106	114	220	225	106	119	3	....	....	....
	"	"	3	35	17	52	103	155	175	52	123	....	....	....	....
	"	"	4	76	37	113	130	243	250	113	137	....	....	....	....
	"	"	5	26	62	89	183	272	275	89	186	1	....	....	....
	"	"	6	39	18	57	81	138	150	57	93	....	....	....	....
	Malden	"	1	12	163	178	86	264	300	178	122	3	....	....	....
	"	"	2	48	60	108	102	210	250	108	142	....	....	....	....
	"	"	3	21	84	106	125	231	250	106	144	1	....	....	....
	Ojibway				12	12	8	20	25	12	13	....	....	....	....
	Riverside	"	1	58	6	64	79	143	150	64	86	....	....	....	....
	"	"	1 A	52	14	67	116	183	200	67	133	1	....	....	....
	"	"	2	68	11	79	84	163	175	79	96	....	....	....	....
	"	"	3	76	9	85	66	171	175	85	90	....	....	....	....
	Rochester	"	1	134	30	167	52	219	225	167	58	2	1	....	....
	"	"	2	63	73	138	124	262	275	138	137	....	2	....	....
	"	"	3	74	117	193	100	293	300	193	107	2	....	....	....
	"	"	4	72	38	110	28	138	150	110	40	....	....	....	....
	"	"	4 A	93	52	146	47	193	200	146	54	1	....	....	....
	St. Clair Beach			6	1	7	27	34	50	7	43	....	....	....	....
	Sandwich, East	"	1	124	21	145	125	270	275	145	130	....	....	....	....
	" "	"	2	56	40	97	88	185	200	97	103	1	....	....	....
	" "	"	3	33	39	73	40	113	125	73	52	1	....	....	....
	" "	"	4	83	9	92	110	202	200	92	108	....	....	....	....

ACHILLE MOUSSEAU,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Tellier	Tisdelle										
Essex, North. —*Con*.....	Sandwich South.....No. 1	27	45	72	110	182	200	72	128	....	....	....	....
	" " ..... " 2	57	21	78	177	255	275	78	197	....	....	....	....
	" " ..... " 3	39	23	62	75	137	150	62	88	....	....	....	....
	" " ..... " 4	53	35	89	82	171	175	89	86	1	....	....	....
	" West..... " 1	14	3	17	104	121	125	17	108	....	....	....	....
	" " ..... " 2	122	39	163	112	275	275	163	112	1	1	....	....
	" " ..... " 3	56	1	57	220	277	275	57	218	....	....	....	....
	" " ..... " 4	20	5	25	206	231	250	25	225	....	....	....	....
	" " ..... " 5	106	1	108	82	190	200	108	92	....	1	....	....
	" " ..... " 5 A	121	2	123	80	203	200	123	77	....	....	....	....
	" " ..... " 6	108	5	113	32	145	150	113	37	....	....	....	....
	" " ..... " 7	33	1	34	37	71	75	34	41	....	....	....	....
	Tecumseh..... " 1	89	31	120	156	281	300	125	175	....	....	5	....
	" ..... " 1 A	99	43	147	160	307	325	147	178	3	2	....	....
	Tilbury, North..... " 1	99	91	191	55	246	250	191	59	1	....	....	....
	" " ..... " 2	23	59	84	15	99	100	84	16	....	2	....	....
	" " ..... " 3	36	56	94	32	126	150	94	56	2	....	....	....
	" " ..... " 4	19	81	100	12	112	125	100	25	....	....	....	....
	" " ..... " 5	43	32	77	14	91	100	77	23	2	....	....	....
	" " ..... " 6	47	58	105	12	117	125	105	20	....	....	....	....
	" West..... " 1	74	218	294	176	470	475	294	181	2	....	....	....
	" " ..... " 2	16	23	39	38	77	100	39	61	....	....	....	....
	" " ..... " 3	10	20	31	95	73	100	31	69	....	1	....	....
	" " ..... " 4	2	99	101	49	150	150	101	49	....	....	....	....
	" " ..... " 5	3	68	71	12	83	100	71	29	....	....	....	....
	Totals.....	4,282	2,608	6,949	7,290	14,148	14,850	6,958	7,895	45	14	9	....
	Majority for Tellier.....	1,674											

B. A. Smith, Returning Officer.

				Armstrong	Clifford	Duke										
Essex, South	Pelee Island	No.	1	27	16	32	253	162	415	150	78	72	2	1	....	....
	"	"	1 A	69	32	74				275	175	100	....	....	....	....
	Mersea	"	1	29	28	59	176	133	309	175	113	62	1	1	....	....
	"	"	1 A	28	17	18				175	63	112	....	....	....	....
	"	"	2	42	21	46	110	79	189	200	110	90	1	....	....	....
	"	"	3	27	12	78	118	82	200	200	118	82	1	....	....	....
	"	"	4	14	22	38	74	84	158	150	74	76	....	....	....	....
	"	"	5	30	13	69	112	56	168	175	112	63	....	....	....	....
	"	"	6	27	11	80	118	88	206	200	118	82	....	....	....	....
	"	"	7	66	1	79	146	42	188	200	146	54	....	....	....	....
	"	"	8	87	15	82	185	65	250	250	185	65	....	....	....	....
	"	"	9	13	11	47	73	56	129	125	73	52	....	....	....	....
	"	"	10	46	32	68	150	82	232	250	150	100	2	2	....	....
	"	"	11	60	33	64	157	125	282	275	157	118	....	....	....	....
	Gosfield North	"	1	17	9	20	46	34	80	100	46	54	....	....	....	....
	" "	"	2	29	17	107	153	62	215	225	153	72	....	....	....	....
	" "	"	3	45	39	42	126	81	207	200	126	74	....	....	....	....
	" "	"	3 A	69	45	51	166	80	246	275	166	109	1	....	....	....
	" "	"	4	54	21	130	206	95	301	300	200	94	1	....	....	....
	" "	"	5	27	25	67	119	77	196	200	119	81	..	....	....	....
	" South	"	1	3	16	55	74	93	167	170	74	101	....	....	....	....
	" "	"	2	42	43	36	121	131	252	250	121	129	....	....	....	....
	" "	"	2 A	30	32	55	118	94	212	223	118	107	....	1	....	....
	" "	"	3	40	72	27	140	49	188	200	140	60	1	....	....	....
	" "	"	3 A	32	48	14	94	60	154	175	94	61	....	....	....	....
	" "	"	4	21	26	108	155	80	235	250	155	95	....	....	....	....
	" "	"	5	35	38	50	123	65	188	201	123	78	....	....	....	....
	Colchester North	"	1	31	15	122	169	92	261	275	169	106	1	....	....	....
	" "	"	1 A	8	26	55	91	54	145	150	91	59	....	....	....	....
	" "	"	2	29	16	60	105	70	175	175	105	70	....	....	1	....
	" "	"	3	16	75	48	143	83	226	225	143	82	4	....	....	....
	" South	"	1	45	50	23	118	96	214	225	118	107	....	....	....	....
	" "	"	1 A	30	64	26	121	96	217	225	121	104	1	....	....	....
	" "	"	2	16	11	34	61	77	138	150	61	89	....	....	....	....
	" "	"	2 A	19	25	53	98	96	194	200	98	102	1	....	....	....
	" "	"	3	38	56	48	143	80	223	225	143	82	1	....	....	....
	" "	"	3 A	24	28	32	85	70	155	175	85	90	1	....	....	....
	" "	"	4	27	51	70	150	148	298	300	150	150	1	1	....	....
	" "	"	4 A	3	25	31	59	59	118	125	59	66	....	....	....	....
	Essex	"	1	113	78	24	216	78	294	300	216	84	....	....	1	....
	"	"	2	128	121	22	271	83	354	375	271	104	....	....	....	....
	"	"	3	73	37	24	134	56	190	200	134	66	....	....	....	....
	"	"	3 A	60	41	15	116	51	167	175	116	59	....	....	....	....
	Kingsville	"	1	42	54	13	110	113	223	225	110	115	1	....	1	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places
Essex, South. —*Con*		Armstrong	Clifford	Duke										
	Kingsville No. 1 A	23	59	8	90	109	199	200	90	110	....	....	1	....
	" " 2	63	78	18	160	130	290	300	160	140	1	....	....	....
	" " 3	69	108	24	203	165	368	375	203	172	2	....	....	....
	" " 4	56	59	12	127	101	228	250	127	123	....	....	....	....
	Leamington " 1	88	70	24	183	144	327	350	183	167	1	....	....	....
	" " 2	117	76	43	238	223	461	475	238	237	....	2	....	....
	" " 2 A	75	44	26	145	114	259	275	145	130	....	....	....	....
	" " 3	64	34	10	108	204	312	325	108	217	....	....	....	....
	" " 3 A	85	48	18	151	189	340	350	151	199	....	....	....	....
	" " 4	86	71	35	192	200	392	400	192	208	....	....	....	....
	" " 5	90	58	45	194	207	401	425	194	231	1	....	....	....
	" " 5 A	43	35	18	96	138	234	250	96	154	....	....	....	....
	" " 6	82	36	15	135	163	298	300	135	165	2	....	....	....
	Totals	2,652	2,241	2,592	7,525	5,644	13,169	13,576	7,525	6,051	28	8	4	....
	Majority for Armstrong	60												
		Allen	Byers	Mills	Spence									
Fort William	Ellis No. 1	5	.....	19	4	28	45	73	100	28	72	....	....	....	....
	Raith " 2	.....	1	13	13	27	42	69	75	27	47	....	1	....	....
	Larson " 3	2	.....	3	.....	5	8	13	24	5	18	....	1	....	....
	Graham " 4	.....	.....	6	.....	6	5	11	25	6	19	....	....	....	....
	Quorn " 5	.....	8	.....	.....	8	5	13	25	8	17	....	....	....	....

Bucke	"	6	.....	3	.....	10	13	12	25	31	13	18	....	....	....	....
Allenwater	"	7	1	15	2	1	19	17	36	50	19	31	....	....	....	....
Shabaqua	"	8	.....	.....	1	1	2	16	18	26	2	24	....	....	....	....
Mabella	"	9	2	2	2	.....	6	19	25	30	6	24	....	....	....	....
Shebandowan	"	10	4	.....	.....	.....	4	29	33	39	4	35	....	....	....	....
Kashabowie	"	11	4	1	2	7	14	12	26	33	14	19	....	....	....	....
Huronian	"	12	1	.....	.....	9	10	4	14	21	10	11	....	....	....	....
Finmark	"	13	.....	.....	26	.....	26	28	54	75	26	49	....	....	....	....
Savanne	"	14	.....	2	5	3	10	10	20	25	10	15	....	....	....	....
English River	"	15	.....	.....	4	.....	4	1	5	6	4	2	....	....	....	....
Sunshine	"	15 A	4	.....	10	19	33	46	79	94	33	61	....	....	....	....
Ft. William Mission	"	16	1	.....	3	3	7	8	15	25	7	18	....	....	....	....
Mission Bay	"	17	4	.....	3	1	8	1	9	25	8	17	....	....	....	....
Moose Hill	"	18	3	.....	17	5	25	12	37	41	25	16	....	....	....	....
Pearson	"	19	.....	.....	16	.....	16	37	53	55	16	39	....	....	....	....
Silver Mountain	"	20	2	.....	5	1	8	13	21	48	8	40	....	....	....	....
Wolf Siding	"	20 A	2	2	10	36	50	4	54	75	50	24	....	1	....	....
Nolalu	"	21	.....	.....	36	22	58	67	125	125	58	67	....	....	....	....
Marks	"	22	.....	1	43	4	51	22	73	75	48	24	3	....	....	....
Scoble West	"	23	.....	.....	15	7	22	16	38	40	22	18	....	....	....	....
Pearson	"	23 A	.....	.....	16	14	31	14	45	46	30	15	....	1	....	....
North Lake	"	24	2	1	1	.....	4	5	9	25	4	21	....	....	....	....
533 McLaughlin	"	25	40	20	10	11	83	67	150	156	81	73	....	2	....	....
Wesley Institute	"	26	16	21	16	35	90	36	126	132	88	42	....	2	....	....
"	"	27	8	4	3	8	23	2	25	31	23	8	....	....	....	....
807 Simpson	"	28	12	13	42	35	104	82	186	192	102	88	2	....	....	....
Ogden School....A to L	"	29	9	15	49	43	119	117	236	237	116	118	3	....	....	....
" .....M to Z	"	29	10	15	63	49	138	97	235	241	137	103	....	....	1	....
Trades & Lab'r Hall, A to L	"	30	30	4	67	40	143	107	250	256	141	112	....	2	1	....
" M to Z	"	30	20	6	71	44	143	100	243	221	141	76	....	4	....	....
Drew School.....A to F	"	31	15	11	54	43	124	97	221	227	123	103	1	....	....	....
" .....G to N	"	31	27	6	86	56	175	142	317	324	175	148	1	....	....	....
" .....O to Z	"	31	18	3	84	40	146	114	260	264	145	118	1	....	....	....
602 N. Harold	"	32	17	9	59	47	134	88	222	229	132	95	....	2	....	....
Salvation Army....A to L	"	33	23	1	31	43	99	96	195	150	98	51	1	....	....	....
" .....M to Z	"	33	12	6	32	48	99	99	198	150	98	51	1	....	....	....
Avenue Sample Rm. A to L	"	34	20	15	27	77	141	135	276	225	139	84	2	....	....	....
" " M to Z	"	34	18	8	24	62	112	126	238	215	112	103	....	....	....	....
246 N. May	"	35	16	6	93	86	209	166	375	305	201	97	7	....	....	....
Y.M.C.A.....A to F	"	36	25	3	24	63	115	76	191	200	115	58	....	2	....	25
" .....G to N	"	36	21	21	34	55	132	89	221	225	131	43	1	....	....	50
" .....O to Z	"	36	35	2	29	57	123	92	215	225	123	52	....	....	....	50
City Hall.....A to L	"	37	33	11	38	70	153	159	312	265	152	111	1	1	....	....
" .....M to Z	"	37	27	16	38	70	151	123	274	235	151	84	....	....	....	....
349 N. Marks	"	38	33	21	55	73	187	123	310	316	182	72	5	1	1	55

FRED. E. MOORE,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.					Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
							Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Allen	Byers	Mills	Spence										
Fort William. —*Con*.....	321 N. Vickers.....No. 38 A		43	17	68	71	200	132	332	335	199	65	1	....	....	70
	1315 Victoria.....A to L " 39		36	12	42	94	184	133	317	320	184	136	....	....	....	....
	" .....M to Z " 39		45	15	50	83	194	132	326	330	193	136	....	....	1	....
	1516 Rankin.....A to L " 40		6	10	29	28	74	62	136	140	73	66	....	1	....	....
	" .....M to Z " 40		9	4	28	21	64	80	144	148	62	84	2	....	....	....
	521 S. Syndicate....A to L " 41		24	19	35	42	124	105	229	175	120	51	4	....	....	....
	" ....M to Z " 41		22	11	17	49	101	88	189	132	99	31	2	....	....	....
	601 S. Marks.....A to L " 42		46	11	31	81	169	111	280	215	169	46	....	....	....	....
	" .....M to Z " 42		27	21	32	88	169	106	275	275	168	106	....	1	....	....
	Car Barns.....A to L " 43		17	8	29	41	97	71	168	192	95	95	2	....	....	....
	" .....M to Z " 43		13	9	31	51	104	56	160	152	104	48	....	....	....	....
	Cor. Brown and Begin.... " 44		4	1	2	13	20	8	28	35	20	15	....	....	....	....
	471 E. Brock.....A to L " 45		10	3	32	33	79	55	134	90	78	11	1	....	....	....
	" .....M to Z " 45		12	4	21	21	59	38	97	102	58	18	1	....	....	25
	486 E. Brock..... " 46		15	9	39	55	121	79	200	158	118	36	3	1	....	....
	Francis School.....A to L " 47		40	9	59	121	229	140	369	286	229	56	1	....	....	....
	" .....M to Z " 47		18	2	29	95	145	111	256	197	144	51	1	1	....	....
	147 Frederica.....A to L " 48		33	3	40	96	174	75	249	220	172	45	2	1	....	....
	" .....H to Z " 48		14	5	21	78	125	87	212	148	118	23	7	....	....	....
	276 W. Gore..... " 49		38	6	33	72	149	47	196	185	149	36	....	....	....	....
	Ruthenian Hall..... " 50		4	11	2	12	29	14	43	101	29	72	....	....	....	....
	" ..... " 51		21	5	2	21	50	22	72	81	31	31	1	....	....	....
	" ..... " 52		7	3	.....	47	58	25	83	76	57	18	1	....	....	....
	Blake—Hamilton's..... " 53		16	2	24	2	46	56	102	103	44	57	1	1	....	....
	Crooks—Down's..... " 54		5	4	19	11	40	27	67	68	39	28	....	1	....	....

	Oliver—Town Hall Murillo	"	55	22	2	151	25	202	90	292	301	200	99	2	....	....	....
	" No. 2 Sch. House..	"	56	9	2	22	13	46	17	63	70	46	24	....	....	....	....
	" No. 3 "	"	57	8	.....	24	1	34	20	54	60	33	26	1	....	....	....
	" No. 5 "	"	58	1	.....	6	.....	7	20	27	33	7	26	....	....	....	....
	Pardee—Barraclough's.....	"	59	5	.....	7	1	13	6	19	21	13	8	....	....	....	....
	Conmee, No. 2 School.....	"	60	6	1	47	7	61	48	109	125	61	64	....	....	....	....
	Neebing—N/R. Summer's.	"	61	3	4	29	16	53	43	96	100	52	47	1	....	....	....
	" S/R. Phillips....	"	62	2	1	9	2	14	5	19	21	14	7	....	....	....	....
	O'Connor—Town Hall....	"	63	7	4	70	28	110	98	208	225	109	115	1	....	....	....
	Paipoonge—Rosslyn.....	"	64	2	.....	55	23	81	57	138	150	80	69	1	....	....	....
	" Slate River...	"	65	15	5	66	27	115	67	182	200	113	85	....	....	2	....
	" Stanley.....	"	66	6	1	44	16	68	38	106	125	67	57	1	....	....	....
	Gillies' Community Hall...	"	67	11	.....	31	19	64	32	96	100	61	36	3	....	....	....
	" Orange H., Hymers..	"	68	7	1	14	23	45	14	59	75	45	30	....	....	....	....
	Railway Polls—																
	Labour Hall.....			.....	.....	48	3	51	.....	51	100	51	49	....	....	....	....
	City Hall.....			1	2	33	21	57	.....	57	100	57	43	....	....	....	....
	Totals.....			1,152	500	2,658	2,866	7,263	5,246	12,509	12,350	7,176	4,794	69	27	6	275
	Majority for Spence.....						208										

Jas. L. F. Sproule,
Returning Officer.

				Clark	Rankin										
Frontenac.....	How Island.....			62	49	111	37	148	150	112	38	....	1	....	....
	Wolf Island.....	No.	1	78	31	109	38	147	150	110	41	....	....	....	....
	"	"	2	141	126	267	103	370	375	268	107	....	1	....	....
	"	"	3	74	49	123	50	173	175	123	52	....	....	....	....
	"	"	4	42	13	55	22	77	100	55	45	....	....	....	....
	"	"	5	35	17	52	40	92	100	52	48	....	....	....	....
	"	"	6	16	22	38	11	49	50	39	11	1	....	....	....
	Pittsburg.....	"	1 A	50	91	141	44	185	200	142	58	1	....	....	....
	"	"	1 B	35	114	149	36	195	200	145	51	....	....	....	....
	"	"	2	75	120	195	44	239	250	196	54	....	1	....	....
	"	"	3	104	81	185	75	260	275	188	87	....	3	....	....
	"	"	4	83	108	191	54	245	250	193	57	1	1	....	....
	"	"	5	105	103	208	80	288	300	210	90	2	....	....	....
	Kingston.....	"	1	83	129	212	29	249	250	213	37	1	....	....	....
	"	"	2 A	40	117	157	96	253	275	158	117	1	....	....	....
	"	"	2 B	57	140	197	16	313	325	201	124	4	....	....	....
	"	"	3	63	116	179	63	242	250	180	70	1	....	....	....
	"	"	4	54	115	169	52	221	225	169	56	....	....	....	....
	"	"	5	78	118	196	129	325	350	198	152	....	2	....	....
	"	"	6	29	24	53	22	75	100	55	47	2	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Clark	Rankin										
Frontenac.—*Con.*	Kingston ..... No. 7	22	13	35	20	55	75	35	40	....	....	....	....
	" ..... " 8	64	37	101	36	137	150	101	47	....	....	....	....
	Portland ..... " 1	41	81	122	53	175	200	122	78	....	....	....	....
	" ..... " 2	78	169	247	9	336	350	247	103	....	....	....	....
	" ..... " 3	79	76	155	58	213	225	157	68	2	....	....	....
	" ..... " 4	43	58	101	32	133	150	101	49	....	....	....	....
	" ..... " 5 A	48	86	134	88	222	250	138	112	....	4	....	....
	" ..... " 5 B	58	72	130	58	188	200	130	70	....	....	....	....
	" ..... " 6	80	28	108	46	154	175	110	66	1	....	1	....
	Loughboro ..... " 1 A	72	111	183	104	287	300	183	66	....	....	....	....
	" ..... " 1 B	57	95	152	93	245	250	152	148	....	....	....	....
	" ..... " 2	30	53	83	60	143	150	83	67	....	....	....	....
	" ..... " 3	41	33	74	39	113	125	76	49	2	....	....	....
	" ..... " 4	67	126	193	89	282	300	195	105	2	....	....	....
	" ..... " 5	2	54	56	16	72	100	58	42	2	....	....	....
	" ..... " 6	54	14	68	18	86	100	68	32	....	....	....	....
	Storrington ..... " 1	110	118	228	109	337	350	229	121	....	....	1	....
	" ..... " 2 A	57	104	161	53	214	225	161	64	....	....	....	....
	" ..... " 2 B	22	89	111	66	177	200	111	89	....	....	....	....
	" ..... " 3 A	56	89	145	56	201	225	147	78	....	....	2	....
	" ..... " 3 B	49	48	97	93	190	200	97	103	....	....	....	....
	" ..... " 4	5	12	17	6	23	25	17	8	....	....	....	....
	Bedford ..... " 1	87	126	213	88	301	325	212	113	2	....	....	....
	" ..... " 2	7	61	68	43	111	125	71	54	....	....	....	....

	" " 3		2	50	52	37	89	100	52	48	....	....	....	....	
	" " 4		67	43	110	53	163	175	110	65	....	....	....	....	
	Totals		2,602	3,529	6,131	3,922	8,693	9,400	4,971	173	2	....	3	....	
											25				
	Majority for Rankin			927											
				Ross	Sangster										
Glengarry	Tp. of Charlottenburgh	No. 1		61	152	213	196	409	425	213	212	....	....	....	....
	" "	" 2		130	131	261	211	472	500	261	231	7	....	1	....
	" "	" 3		81	58	139	109	248	250	139	111	....	....	....	....
	" "	" 4		110	123	233	150	383	425	233	191	1	....	....	....
	" "	" 5		76	68	144	77	221	225	144	79	2	....	....	....
	" "	" 6		125	52	177	90	267	275	177	92	5	....	1	....
	" "	" 7		221	65	286	188	474	500	286	210	4	....	....	....
	" "	" 8		81	72	153	145	298	325	153	171	....	1	....	....
	Tp. of Kenyon	" 1		70	40	110	101	211	225	110	114	....	1	....	....
	"	" 2		49	111	160	216	376	400	160	238	2	....	....	....
	"	" 3		191	8	199	191	390	425	199	226	....	....	....	....
	"	" 4		59	27	86	62	148	175	86	89	....	....	....	....
	"	" 5		64	16	80	99	179	200	80	120	....	....	....	....
	"	" 6		83	19	102	88	190	225	102	123	....	....	....	....
	"	" 7		111	110	221	190	411	450	221	229	....	....	....	....
	"	" 8		7	58	65	53	118	150	65	82	3	....	....	....
	"	" 9		24	13	37	72	109	150	37	112	....	1	....	....
	"	" 10		17	30	47	52	99	125	47	78	....	....	....	....
	Tp. of Lancaster	" 1		124	112	236	146	382	425	236	188	1	....	....	....
	"	" 2		118	165	283	100	383	425	283	137	5	....	....	....
	"	" 3		38	96	134	96	230	250	134	114	1	1	....	....
	"	" 4		46	126	172	145	317	350	172	175	3	....	....	....
	"	" 5		34	98	132	146	278	300	132	167	1	....	....	....
	"	" 6		40	180	220	154	374	450	220	229	1	....	....	....
	Tp. of Lochiel	" 1		69	205	274	58	332	400	274	120	5	1	....	....
	"	" 2		98	64	162	176	338	400	162	237	1	....	....	....
	"	" 3		97	78	175	242	417	475	175	296	3	1	....	....
	"	" 4		136	16	152	206	358	425	152	272	1	....	....	....
	"	" 5		89	98	187	197	384	450	187	261	2	....	....	....
	"	" 6		70	105	175	137	312	375	175	197	3	....	....	....
	Town of Alexandria	" 1		4	204	208	166	374	425	208	213	4	....	....	....
	"	" 2		19	227	246	210	456	475	246	227	2	....	....	....
	"	" 3		43	111	154	181	335	375	154	221	....	....	....	....

JOHN A. MACDONALD,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Ross	Sangster										
Glengarry.—*Con.*	Village of Maxville.....No. 1	128	79	207	251	458	500	207	290	3	....	....	....
	Village of Lancaster..... " 1	50	196	246	336	582	650	246	403	1	....	....	....
	Totals.....	2,763	3,313	6,076	5,237	11,313	12,600	6,076	6,455	61	6	2	....
	Majority for Sangster.....		550										
		Buchanan	Ferguson										
Grenville.....	Cardinal.....A to C No. 1	24	106	132	80	212	225	132	93	2	....	....	....
	" .....D to K " 1	21	83	104	87	191	200	104	96	....	....	....	....
	" .....L to R " 2	18	91	111	92	203	210	111	99	1	1	....	....
	" .....S to Z " 2	14	80	94	74	168	175	94	81	....	....	....	....
	South Gower..... " 1	58	125	183	66	249	260	183	77	....	....	....	....
	" ..... " 2	88	64	152	66	218	225	152	73	....	....	....	....
	Kemptville.....A to L " 1	43	175	220	81	301	330	220	110	2	....	....	....
	" .....M to Z " 1	41	118	159	64	223	250	161	89	....	2	....	....
	" .....A to L " 2	16	164	180	48	229	250	181	69	1	....	....	....
	" .....M to Z " 2	14	83	98	34	132	145	98	47	1	....	....	....
	Prescott.....A to L " 1	31	108	140	163	303	311	140	171	1	....	....	....
	" .....M to Z " 1	24	96	120	163	283	285	121	164	....	1	....	....
	" .....A to K " 2	28	123	152	129	281	285	152	133	1	....	....	....
	" .....L to Z " 2	35	71	106	164	266	270	106	164	....	....	....	....

"	A to K	"	3	34	106	142	153	295	300	142	158	2	....	....	....
"	L to Z	"	3	36	90	127	184	311	310	127	183	1	....	....	....
Merrickville		"	1	32	109	141	155	296	330	141	189	....	....	....	....
"		"	2	25	157	182	119	301	335	182	153	....	....	....	....
Wolford		"	1	23	67	91	54	145	160	91	69	1	....	....	....
"		"	2	28	72	100	37	137	150	100	50	....	....	....	....
"	A to J	"	3	43	82	125	64	189	200	126	74	....	....	1	....
"	K to Z	"	3	42	71	114	55	169	185	114	71	1	....	....	....
"		"	4	19	75	95	66	161	175	95	80	1	....	....	....
Edwardsburg	A to L	"	1	39	69	110	64	174	200	110	90	2	....	....	....
"	M to Z	"	1	45	38	85	60	145	160	85	75	2	....	....	....
"		"	2	66	68	136	110	246	250	136	114	2	....	....	....
"		"	3	32	74	108	108	216	225	108	117	2	....	....	....
"	A to J	"	4	68	60	130	55	185	195	130	65	1	....	1	....
"	K to Z	"	4	68	53	123	63	186	195	123	72	....	....	2	....
"		"	5	90	64	154	68	222	235	155	80	....	1	....	....
"		"	6	49	35	85	110	195	210	86	124	1	1	....	....
"		"	7	48	82	130	109	239	250	130	120	....	....	....	....
"		"	8	41	64	105	52	157	170	105	65	....	....	....	....
"		"	9	26	42	68	58	126	135	68	67	....	....	....	....
Oxford		"	1	49	113	162	113	275	295	162	133	....	....	....	....
"		"	2	37	73	111	38	149	160	111	49	1	....	....	....
"	A to J	"	3	40	77	121	37	158	170	121	49	4	....	....	....
"	K to Z	"	3	29	87	116	48	164	190	116	74	....	....	....	....
"		"	4	38	119	158	75	233	251	158	93	1	....	....	....
"		"	5	19	87	107	55	162	175	107	68	....	1	....	....
"		"	6	57	94	151	89	240	250	151	99	....	....	....	....
"		"	7	48	163	213	92	305	325	213	112	1	1	....	....
Augusta		"	1	49	57	106	112	218	220	106	114	....	....	....	....
"		"	2	89	34	124	67	191	200	124	76	1	....	....	....
"		"	3	43	49	92	104	196	200	92	108	....	....	....	....
"		"	4	55	60	115	77	192	210	115	95	....	....	....	....
"		"	5	27	83	110	59	169	190	111	79	....	1	....	....
"		"	6	61	60	121	127	248	265	121	144	....	....	....	....
"		"	7	89	56	146	72	218	235	146	89	1	....	....	....
"		"	8	79	39	120	67	187	200	120	80	2	....	....	....
"		"	9	66	98	166	76	242	260	166	94	2	....	....	....
"		"	10	14	60	74	18	92	110	74	36	....	....	....	....
Totals				2,198	4,374	6,623	4,370	10,993	11,696	6,623	5,074	38	9	4	....
Majority for Ferguson					2,176										

GEO. E. JOHNSTON,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.		Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Carmichael	Ego										
Grey, Centre.....	Holland.....	No. 1	77	31	108	95	203	225	108	117	....	....	....	....
	"	" 2	92	96	189	100	289	300	189	111	1	....	....	....
	" .....A to L	" 3	37	91	128	76	204	225	128	97	....	....	....	....
	" .....M to Z	" 3	14	101	118	52	170	175	118	58	3	....	....	....
	"	" 4	114	53	167	113	280	300	167	133	....	....	....	....
	"	" 5	39	136	175	114	289	300	175	125	....	....	....	....
	"	" 6	52	56	109	53	162	175	111	64	1	2	....	....
	Collingwood.....	" 1	33	1	35	29	64	75	35	40	....	....	1	....
	"	" 2	44	17	61	38	99	100	62	38	....	1	....	....
	"	" 3	39	3	42	22	64	75	42	33	....	....	....	....
	"	" 4	71	35	107	22	129	150	108	42	1	1	....	....
	"	" 5	53	44	98	21	119	150	98	52	1	....	....	....
	"	" 6	112	44	157	71	228	250	157	93	1	....	....	....
	"	" 7	77	29	107	18	125	150	107	43	1	....	....	....
	"	" 8	50	61	114	84	198	250	114	136	3	....	....	....
	"	" 9	61	21	82	19	101	150	82	68	....	....	....	....
	" .....A to K	" 10	54	100	155	51	206	225	155	70	1	....	....	....
	" .....L to Z	" 10	60	89	149	56	205	225	149	86	....	....	....	....
	"	" 11	46	15	61	26	87	100	61	39	....	....	....	....
	"	" 12	40	2	42	9	51	75	42	33	....	....	....	....
	"	" 13	44	33	77	22	99	125	77	48	....	....	....	....
	Thornbury.....	" 1	14	42	56	14	70	100	56	44	....	....	....	....
	" .....A to L	" 2	52	45	98	40	138	150	98	52	1	....	....	....
	" .....M to Z	" 2	26	35	61	44	105	125	61	64	....	....	....	....
	"	" 3	85	92	177	60	237	250	177	73	....	....	....	....

D. McIntyre,
Returning Officer.

St. Vincent	"	1	56	38	94	42	136	150	94	56	....	....	....	....
"	"	2	76	34	110	36	146	200	110	90	....	....	....	....
"	"	3	109	34	144	54	198	200	145	55	1	1	....	....
"	"	4	190	28	219	58	277	300	219	81	1	....	....	....
"	"	5	46	30	76	72	148	175	78	97	....	2	....	....
"	"	6	62	45	109	30	139	150	109	41	....	....	1	1
"	"	7	75	22	97	77	174	225	97	128	....	....	....	....
"	"	8	50	19	69	38	107	125	69	56	....	....	....	....
"	"	9	54	7	61	57	118	125	62	63	....	1	....	....
Meaford	"	1	37	67	104	76	180	200	104	96	....	....	....	....
" A to J	"	2	55	93	148	116	264	275	148	127	....	....	....	....
" K to Z	"	2	38	75	113	104	217	225	113	112	....	....	....	....
" A to K	"	3	55	38	93	81	174	200	93	107	....	....	....	....
" L to Z	"	3	40	41	82	61	143	150	82	68	1	....	....	....
"	"	4	74	67	142	133	275	300	142	158	1	....	....	....
"	"	5	57	98	157	115	272	300	158	142	2	1	....	....
"	"	6	65	69	134	116	250	300	134	166	....	....	....	....
Euphrasia	"	1	26	27	54	92	146	150	55	95	1	1	....	....
"	"	2	81	64	146	117	263	275	147	128	1	1	....	....
"	"	3	27	53	80	42	122	125	81	44	....	1	....	....
"	"	4	88	61	151	88	239	250	151	99	2	....	....	....
"	"	5	62	133	195	56	251	275	195	80	....	....	....	....
"	"	6	45	53	98	44	142	150	98	52	....	....	....	....
"	"	7	73	66	139	101	240	250	139	111	....	....	....	....
"	"	8	66	107	174	102	276	300	174	130	1	....	....	....
"	"	9	80	38	121	55	176	200	122	78	3	1	....	....
Osprey	"	1	28	50	79	44	123	125	79	46	1	....	....	....
"	"	2	89	92	181	138	319	300	181	119	....	....	....	....
" A to L	"	3	57	60	117	19	136	175	117	58	....	....	....	....
" M to Z	"	3	50	63	114	23	137	175	114	61	1	....	....	....
"	"	4	22	69	91	64	155	175	91	84	....	....	....	....
"	"	5	68	36	104	63	167	175	104	71	....	....	....	....
"	"	6	64	19	84	57	141	150	84	66	1	....	....	....
"	"	7	88	57	145	55	200	200	145	55	....	....	....	....
"	"	8	22	47	69	23	92	100	69	33	....	....	....	....
Markdale A to L	"	1	46	190	242	64	306	350	242	108	6	....	....	....
" M to Z	"	1	29	199	229	79	308	350	230	120	1	1	....	....
Totals			3,636	3,561	7,238	3,841	11,079	12,275	7,242	5,040	38	14	2	1
Majority for Carmichael			75											

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Breese	Dickin	Taylor									
Grey, North.....	Derby Tp.....No 1		45	24	105	176	49	225	250	176	74	2	....	....	....
	" .....A to L " 2		30	26	76	132	36	168	175	132	43	....	....	....	....
	" .....M to Z " 2		31	23	43	97	24	121	150	98	52	....	1	....	....
	" ..... " 3		51	20	114	185	51	226	250	185	65	....	....	....	....
	" ..... " 4		93	18	81	194	46	240	250	195	55	2	1	....	....
	Keppel Tp..... " 1		15	7	86	109	27	136	150	109	41	1	....	....	....
	" ..... " 2		32	6	117	156	33	189	200	156	44	1	....	....	....
	" ..... " 3		17	2	96	115	23	138	150	115	35	....	....	....	....
	" ..... " 4		67	12	44	124	48	172	200	124	76	1	....	....	....
	" ..... " 5		40	5	64	109	17	126	150	109	41	....	....	....	....
	" .....A to L " 6		21	15	66	107	17	124	150	107	43	5	....	....	....
	" .....M to Z " 6		30	8	48	88	25	113	125	89	36	2	....	1	....
	" ..... " 7		66	28	63	157	34	191	200	158	42	....	1	....	....
	" ..... " 8		25	30	56	112	27	149	175	112	63	1	....	....	....
	Sarawak Tp..... " 1–2		34	8	66	110	37	147	150	111	39	2	1	....	....
	" ..... " 3		22	11	55	89	22	111	125	89	36	1	....	....	....
	" ..... " 4		30	5	54	89	19	108	125	89	36	....	....	....	....
	Sullivan Tp..... " 1		62	20	102	185	65	250	275	185	90	1	....	....	....
	" ..... " 2		43	44	91	178	81	259	275	178	97	....	....	....	....
	" .....A to L " 3		12	3	62	77	36	113	125	78	47	....	1	....	....
	" .....M to Z " 3		23	9	73	106	33	139	150	106	44	1	....	....	....
	" .....A to L " 4		4	6	88	98	26	124	150	98	52	....	....	....	....
	" .....M to Z " 4		8	12	96	117	34	151	175	118	57	1	1	....	....
	" .....A to L " 5		45	19	63	129	53	182	200	129	71	2	....	....	....
	" .....M to Z " 5		47	26	61	134	43	177	200	134	66	....	....	....	....

RUSSELL DOBIE,
Returning Officer.

Sydenham Tp	"	1	27	16	104	148	22	170	200	148	52	1	....	....	....
"	"	2	53	8	95	156	55	211	225	156	69	....	....	....	....
"	"	3	23	4	62	89	29	118	125	89	36	....	....	....	....
"	"	4	8	8	55	71	21	92	100	72	28	....	....	1	....
"	"	5	17	9	102	128	42	170	175	128	47	....	....	....	....
"	A to L "	6	14	12	81	107	38	145	150	109	41	....	2	....	....
"	M to Z "	6	23	15	56	95	38	133	150	95	55	1	....	....	....
"	"	7	7	18	106	131	36	167	175	131	44	....	....	....	....
"	"	8	11	34	104	149	49	198	225	149	76	....	....	....	....
"	"	9	5	5	46	56	26	82	100	56	44	....	....	....	....
"	"	10	20	7	72	102	26	128	150	102	48	3	....	....	....
Owen Sound City	"	1	56	22	23	103	96	199	225	103	122	2	....	....	....
"	"	2	69	29	27	126	128	254	275	126	149	1	....	....	....
"	A to L "	3	66	43	22	131	55	186	206	131	69	....	....	....	....
"	M to Z "	3	55	26	23	104	67	171	200	104	96	....	....	....	....
"	"	4	74	29	29	132	111	243	250	132	118	....	....	....	....
"	"	5	63	63	26	152	109	261	275	155	120	....	3	....	....
"	"	6	20	27	28	75	59	134	150	75	75	....	....	....	....
"	"	7	89	45	35	169	114	283	300	169	131	....	....	....	....
"	"	8	75	25	45	147	120	267	275	147	128	2	....	....	....
"	A to L "	9	72	30	23	128	69	197	225	128	97	3	....	....	....
"	M to Z "	9	56	7	30	94	86	180	200	94	106	1	....	....	....
"	"	10	74	32	44	150	105	255	275	150	125	....	....	....	....
"	"	11	48	27	68	143	68	211	225	144	81	....	1	....	....
"	A to L "	12	36	35	32	103	59	162	175	103	72	....	....	....	....
"	M to Z "	12	45	33	22	101	69	170	175	101	74	1	....	....	....
"	"	13	71	65	29	165	86	251	275	165	110	....	....	....	....
"	"	14	35	18	12	65	68	133	150	65	85	....	....	....	....
"	"	15	85	58	31	174	93	267	325	174	151	....	....	....	....
"	"	16	99	35	38	175	114	289	300	175	125	3	....	....	....
"	A to L "	17	43	27	16	87	81	168	175	87	88	1	....	....	....
"	M to Z "	17	45	20	26	92	72	163	175	92	84	1	....	....	....
"	A to L "	18	68	54	28	153	65	218	225	153	72	3	....	....	....
"	M to Z "	18	71	14	13	98	47	145	150	98	52	....	....	....	....
"	"	19	67	50	23	141	92	233	250	141	109	1	....	....	....
"	"	20	64	35	36	13.	72	207	225	135	90	....	....	....	....
"	"	21	70	17	18	105	73	178	200	105	95	....	....	....	....
"	"	22	101	39	36	180	89	269	275	183	92	4	3	....	....
"	"	23	97	35	29	161	56	217	225	161	64	....	....	....	....
"	"	24	66	28	35	133	78	211	225	133	92	4	....	....	....
"	"	25	83	50	26	162	57	219	225	163	62	3	1	....	....
"	"	26	81	48	36	166	116	282	300	166	134	1	....	....	....
"	"	27	59	33	32	125	75	200	225	125	100	1	....	....	....
"	"	28	79	52	36	168	67	235	250	168	82	1	....	....	....
"	A to L "	29	71	34	18	125	76	201	225	125	100	2	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Grey, North. —*Con*.....		Breese	Dickin	Taylor										
	Owen Sound City....M to Z No. 29	83	31	23	138	49	187	200	138	62	1	....	....	....
	" ..... " 30	86	31	14	137	96	233	250	137	113	6	....	....	....
	" ..... " 31	82	42	20	146	95	241	250	147	103	2	1	....	....
	Chatsworth Village.....	123	41	29	195	59	254	275	195	80	2	....	....	....
	Shallow Lake Village.....	85	24	39	150	66	216	225	150	75	2	....	....	....
	Totals.....	3,813	1,877	3,873	9,639	4,445	14,083	15,325	9,658	5,668	76	17	2	....
	Majority for Taylor.....			60										
		Jamieson		Leeson										
Grey, South.....	Artemesia Tp No. 1	32		95	127	28	155	175	127	48	....	....	....	....
	" ..... " 2	36		64	100	42	145	174	103	71	1	1	1	....
	" ..... " 3	41		59	100	36	136	175	100	75	....	....	....	....
	" ..... " 4	63		74	138	69	207	225	138	87	1	....	....	....
	" ..... " 5 A	20		44	64	119	291	175	64	111	....	....	....	....
	" ..... " 5 B	39		69	108			150	108	42	....	....	....	....
	" ..... " 6	31		82	113	29	142	150	113	37	....	....	....	....
	" ..... " 7 A	44		56	100	89	302	175	100	75	....	....	....	....
	" ..... " 7 B	42		70	113			150	113	37	....	1	....	....
	" ..... " 8	28		72	100	36	136	150	100	50	....	....	....	....
	Tp. of Bentinck..... " 1	31		49	80	35	115	125	80	45	....	....	....	....
	" ..... " 2	55		74	129	37	166	175	130	45	1	....	....	....
	" ..... " 3	64		48	112	33	145	150	112	38	....	....	....	....

"	"	4 A	57	51	108	52	275	150	109	41	....	1	....	....
"	"	4 B	63	51	115			150	115	35	1	....	....	....
"	"	5	52	45	98	81	179	200	98	102	1	....	....	....
"	"	6 A	12	62	74	92	278	150	74	76	....	....	....	....
"	"	6 B	19	92	112			150	115	35	1	3	....	....
"	"	7	47	76	123	68	191	200	124	76	....	1	....	....
"	"	8	40	66	106	99	205	225	107	118	....	1	....	....
Town of Durham	"	1 A	88	10	99	83	323	175	101	74	1	2	....	....
"	"	1 B	123	17	141			150	141	9	1	....	....	....
"	"	2 A	141	13	154	51	360	200	154	46	....	....	....	....
"	"	2 B	142	12	155			175	155	20	1	....	....	....
"	"	3 A	154	25	181	67	466	250	182	68	2	....	1	....
"	"	3 B	195	22	218			225	218	7	1	....	....	....
Village of Dundalk	"	1 A	141	36	177	84	431	200	177	23	....	....	....	....
"	"	1 B	132	36	170			300	170	130	2	....	....	....
Tp. of Egremont	"	1	69	101	170	81	251	275	171	104	....	1	....	....
"	"	2	43	120	165	83	248	251	166	85	2	1	....	....
"	"	3 A	65	77	143	60	437	200	143	57	1	....	....	....
"	"	3 B	53	78	134			225	134	91	3	....	....	....
"	"	4	43	143	188	83	271	275	188	87	2	....	....	....
"	"	5	27	113	140	70	211	225	140	85	....	....	....	....
"	"	6	34	121	155	55	210	225	155	70	....	....	....	....
Village of Flesherton	"	1 A	74	19	93	112	306	175	93	82	....	....	....	....
"	"	1 B	74	27	101			150	101	49	....	....	....	....
Tp. of Glenelg	"	1 A	39	56	96	58	283	150	96	54	....	....	....	....
"	"	1 L	55	74	129			150	130	20	....	1	....	....
"	"	2	38	110	148	22	170	200	148	52	....	....	....	....
"	"	3 A	23	36	59	87	247	125	60	65	....	1	....	....
"	"	3 B	42	59	101			125	101	24	....	....	....	....
"	"	4	36	92	128	39	167	176	29	47	....	1	....	....
"	"	5 A	39	54	93	62	241	125	94	31	....	1	....	....
"	"	5 B	56	30	86			125	86	39	....	....	....	....
Town of Hanover	"	1 A	95	29	124	47	371	200	124	76	....	....	....	....
"	"	1 B	76	22	100			175	102	73	2	....	2	....
"	"	2	105	23	129	94	223	225	129	96	1	....	....	....
"	"	3	86	32	122	98	220	225	122	103	4	....	....	....
"	"	4	125	48	173	114	287	300	173	127	....	....	....	....
"	"	5 A	81	33	116	151	362	200	116	84	....	....	....	....
"	"	5 B	65	27	95			175	95	80	3	....	....	....
"	"	6	90	51	144	100	244	250	144	106	3	....	....	....
"	"	7	91	47	141	142	283	300	144	156	3	....	3	....
Village of Neustadt	"	1	145	20	166	132	298	300	166	134	1	....	....	....
Tp. of Normandy	"	1	45	44	90	193	283	300	90	210	1	....	....	....
"	"	2 A	129	74	203	274	551	275	205	70	....	....	2	....
"	"	2 B	53	21	74			275	74	201	....	....	....	....

M. E. Murray,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Grey, South. —*Con*.....		Jamieson	Leeson											
	Tp. of Normandy.....No. 3	45	59		104	149	253	250	104	146	....	....	....	....
	" ..... " 4	62	61		123	95	218	225	123	102	....	....	....	....
	" ..... " 5	89	75		168	41	209	225	168	57	....	....	....	....
	" ..... " 6	23	49		72	63	135	150	72	78	....	....	....	....
	" ..... " 7	49	59		109	116	224	225	109	116	1	....	....	....
	Tp. of Proton..... " 1	44	97		141	65	206	225	141	84	....	....	....	....
	" ..... " 2 A	25	57		82	85	298	150	82	68	....	....	....	....
	" ..... " 2 B	44	87		131			150	131	19	....	....	....	....
	" ..... " 3 A	38	78		116	88	312	150	116	34	....	....	....	....
	" ..... " 3 B	26	81		108			175	108	67	....	....	....	....
	" ..... " 4	29	78		107	58	165	200	108	92	....	1	....	....
	" ..... " 5	64	30		94	58	152	175	94	81	....	....	....	....
	" ..... " 6	16	77		93	63	156	175	93	82	....	....	....	....
	" ..... " 7	38	67		107	69	176	200	107	93	2	....	....	....
	" ..... " 8	33	35		68	34	102	125	68	57	....	....	....	....
	Totals.....	4,553	4,241		8,844		13,418				43	17	9	
	Majority for Jamieson.....	312												
		Berry	Colter	Stringer										
Haldimand.....	Hagersville.....No. 1	133	53	62	248	206	454	475	248	227	....	....	....	....
	" ..... " 2	135	35	65	235	130	365	375	236	139	1	....	....	....
	Cayuga.....A to M " 1	61	120	33	214	122	427	450	214	11	....	....	....	....

"	N to Z	"	1	20	48	23	91	.....	.....	.....	91	134	....	....	.....	....	
Caledonia	A to M	"	1	164	13	68	245	77	434	450	219	1	2	2	.....	....	
"	N to Z	"	1	86	2	24	112	.....	.....	.....	113	87	1		.....	....	
"	A to M	"	2	119	2	33	154	89	379	400	155	46	1		.....	....	
"	N to Z	"	2	110	7	19	136	.....	.....	.....	136	64	....	....	.....	....	
Dunn		"	1	160	12	56	228	101	329	350	230	120	2	....	.....	....	
"		"	2	65	3	72	140	72	212	225	140	85	....	....	.....	....	
South Cayuga		"	1	36	12	79	127	38	165	175	128	47	....	1	.....	....	
"		"	2	49	22	99	170	56	226	250	170	80	....	....	.....	....	
Oneida		"	1	38	13	106	157	90	247	275	157	118	....	....	.....	....	
"		"	2	28	1	40	69	46	115	125	70	56	1	....	.....	....	
"		"	3	27	.....	115	142	26	168	175	143	32	1	....	.....	....	
"		"	4	60	3	80	143	53	196	225	145	80	2	....	.....	....	
"		"	5	13	.....	64	77	19	96	100	77	23	....	....	.....	....	
Rainham		"	1	59	13	155	227	77	304	325	229	96	2	....	.....	....	
"		"	2	152	24	122	298	139	437	475	300	175	2	....	.....	....	
"		"	3	44	72	81	197	132	329	350	198	152	1	....	.....	....	
Moulton		"	1	42	11	47	100	80	180	200	104	96	....	1	....	3	
"		"	2	56	5	22	83	112	195	225	83	142	....	....	.....	....	
"		"	3	49	5	9	63	72	135	150	63	87	....	....	.....	....	
"		"	4	60	9	49	118	83	201	225	118	107	....	....	.....	....	
"		"	5	12	9	92	113	75	188	225	114	111	....	1	.....	....	
"		"	6	14	5	34	53	44	97	100	53	47	....	....	.....	....	
Sherbrooke		"	1	60	23	82	145	70	215	225	146	79	1	....	.....	....	
Jarvis		"	1	168	26	60	254	61	315	375	255	120	1	....	.....	....	
Canboro		"	1	96	20	69	185	60	245	275	188	87	2	1	.....	....	
"		"	2	29	4	74	107	51	158	175	108	67	....	....	1	....	
"		"	3	26	17	45	88	50	138	150	91	59	1	....	2	....	
North Cayuga		"	1	20	20	83	123	67	190	200	126	74	2	....	1	....	
"		"	2	27	15	57	99	42	141	150	100	50	....	1	.....	....	
"		"	3	21	12	40	73	27	100	125	73	52	....	....	.....	....	
"		"	4	67	11	69	147	35	182	200	148	52	....	1	.....	....	
"		"	5	85	41	74	200	46	246	275	201	74	1	....	.....	....	
Seneca		"	1	42	12	68	122	81	203	225	127	98	4	1	.....	....	
"		"	2	3	8	38	49	38	87	100	49	51	....	....	.....	....	
"		"	3	68	18	89	175	73	248	275	177	98	1	1	.....	....	
"		"	4	40	7	98	145	47	192	200	146	54	....	1	.....	....	
"		"	5	118	3	133	254	103	357	375	255	120	....	1	.....	....	
Walpole		"	1	72	7	92	171	83	254	275	171	104	....	....	.....	....	
"		"	2	75	21	107	203	102	305	325	205	120	1	....	1	....	
"		"	3	55	5	104	164	42	206	225	164	61	....	....	.....	....	
"		"	4	58	2	151	211	92	303	325	211	114	....	....	.....	....	
"		"	5	9	2	91	102	36	138	150	102	48	....	....	.....	....	
"		"	6	70	18	58	146	165	309	325	147	178	1	....	.....	....	
"		"	7	87	9	92	188	119	307	325	191	134	3	....	.....	....	

ANDERSON LAIDLAW,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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Haldimand.		Berry	Colter	Stringer										
—*Con*.....	Walpole.....No. 8	22	50	75	147	77	224	250	147	103	....	....	....	....
	Dunnville..... " 1	176	28	24	228	309	664	350	229	121	1	....	....	....
	" ..... " 1	92	16	19	127	.....	.....	350	130	220	3	....	....	....
	" ..... " 2	178	39	22	239	.....	.....	350	242	108	2	1	....	....
	" ..... " 2	123	10	11	144	275	658	350	146	204	1	1	....	....
	" ..... " 3	230	45	36	311	.....	.....	450	317	133	6	....	....	....
	" ..... " 3	122	30	17	169	380	860	450	170	280	....	....	1	....
	" ..... " 4	184	49	26	259	.....	.....	325	266	59	7	....	....	....
	" ..... " 4	73	17	14	104	273	636	350	105	245	....	....	1	....
	Indian Reserve.....	9	1	6	16	15	31	50	16	34	....	....	....	....
	Totals.....	4,297	1,085	3,653	9,035	4,756	1,379	14,875	9,163	5,764	54	14	7	3
	Majority for Berry.....	644												
		Dale	Drury	Hillmer										
Halton.....	Milton South Ward.....	124	89	206	419	116	535	575	424	151	2	3	....	....
	" North "	86	72	162	320	86	406	475	324	151	2	2	....	....
	" East "	53	22	145	220	65	285	325	220	105	....	....	....	....
	Oakville.....No. 1	28	129	317	474	254	728	800	480	320	5	....	1	....
	" ..... " 2	22	76	312	410	214	624	650	416	234	3	3	....	....
	" ..... " 3 A	16	162	307	485	246	731	800	489	310	....	1	3	....
	" ..... " 3 B	26	114	181	321	150	471	550	323	227	....	2	....	....
	Burlington..... " 1	40	41	129	210	205	415	500	214	286	1	2	1	....

W. E. Ford,
Returning Officer.

"	" 2	51	47	176	274	217	491	550	277	273	3	....	....	....
"	" 3	53	69	162	284	265	549	600	288	312	3	1	....	....
"	" 4	18	34	147	199	228	427	500	199	301	....	....	....	....
Georgetown	" 1	118	39	88	245	172	417	450	251	199	6	....	....	....
"	" 2	202	33	186	421	183	604	650	426	223	5	....	....	....
"	" 3	152	66	146	364	125	489	550	365	185	....	1	....	....
Acton	" 1	83	94	187	364	172	536	550	364	186	....	....	....	....
"	" 2	119	89	281	489	256	745	650	499	151	10	....	....	....
Nassagaweya	" 1	63	140	139	342	181	523	500	344	156	2	....	....	....
"	" 2	36	156	101	293	117	410	450	293	157	....	....	....	....
"	" 3	20	225	44	289	81	370	400	290	110	....	1	....	....
Esquesing	" 1	36	134	109	279	79	358	400	280	120	1	....	....	....
"	" 2	30	142	147	319	81	400	450	327	123	4	4	....	....
"	" 3	34	115	92	241	66	307	350	242	108	1	....	....	....
"	" 4	38	134	43	215	79	294	325	220	105	5	....	....	....
"	" 5	29	132	111	272	57	329	375	274	102	....	2	....	....
"	" 6	74	68	193	335	223	458	500	236	264	1	....	....	....
Nelson	" 1	8	96	89	193	165	358	400	194	206	1	....	....	....
"	" 2	4	169	60	233	123	356	400	234	166	1	....	....	....
"	" 3	7	115	56	178	60	238	275	178	47	....	....	....	....
"	" 4	22	102	47	171	65	236	250	173	77	2	....	....	....
"	" 5	5	99	22	126	33	159	200	127	73	....	1	....	....
"	" 6	10	131	42	183	44	227	250	185	65	2	....	....	....
"	" 7	16	55	63	134	170	304	350	135	215	....	1	....	....
Brant Hospital		8	9	55	72	76	148	150	72	78	....	....	....	....
Trafalgar	No. 1	32	216	86	334	140	474	500	338	163	2	1	1	....
"	" 2	11	231	107	349	94	443	500	351	149	2	....	....	....
"	" 3	2	147	29	178	41	219	250	179	71	1	....	....	....
"	" 4	6	155	55	216	58	274	300	217	83	1	....	....	....
"	" 5	17	148	59	224	55	279	300	225	75	1	....	....	....
"	" 6 A	2	79	101	182	95	277	300	185	115	....	2	1	....
"	" 6 B	46	172	96	314	121	435	450	319	131	3	....	2	....
"	" 7	13	124	108	245	185	430	450	246	204	1	....	....	....
Totals		1,760	4,470	5,186	11,416	5,443	16,759	18,250	11,423	6,777	71	27	9	....
Majority for Hillmer				716										

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Carr	Halcrow	Treleaven										
Hamilton, East...	Division.....No. 1	59	6	36	101	165	266	300	102	198	1	....	....	....
	" ..... " 2	92	14	55	161	234	395	375	163	212	2	....	....	....
	" ..... " 3	63	8	52	123	219	342	350	126	224	1	....	2	....
	" ..... " 4	127	29	50	206	223	429	475	208	267	2	....	....	....
	" ..... " 5	127	7	69	203	184	387	425	203	222	....	....	....	....
	" ..... " 6	46	13	108	167	112	279	299	168	131	1	....	....	....
	" ..... " 7	106	10	109	225	262	487	425	226	199	1	....	....	....
	" ..... " 8	90	13	94	197	162	359	325	199	126	....	1	1	....
	" ..... " 9	93	11	64	168	196	364	400	168	232	....	....	....	....
	" ..... " 10	110	87	12	209	277	486	500	212	288	2	....	....	....
	" ..... " 11	103	18	51	172	202	374	400	173	227	1	....	....	....
	" ..... " 12	113	20	74	204	244	448	475	204	271	....	....	....	....
	" ..... " 13	106	15	56	177	221	398	447	177	270	....	....	....	....
	" ..... " 14	86	5	117	208	181	389	400	212	188	....	....	4	....
	" ..... " 15	83	15	74	172	153	325	350	172	178	....	....	....	....
	" ..... " 16	106	15	104	225	272	497	525	226	299	1	....	....	....
	" ..... " 17	50	.....	84	134	70	204	200	138	62	2	2	....	....
	" ..... " 18	104	3	71	178	183	361	375	198	197	....	....	....	....
	" ..... " 19	76	12	104	192	204	396	399	193	206	....	1	....	....
	" ..... " 20	68	13	78	159	156	315	325	162	163	3	....	....	....
	" ..... " 21	120	25	109	254	289	543	550	255	295	1	....	....	....
	" ..... " 22	105	19	97	221	335	556	574	224	350	3	....	....	....
	" ..... " 23	41	13	41	95	95	190	150	95	55	....	....	....	....
	" ..... " 24	92	13	89	194	243	437	450	211	239	17	....	....	....
	" ..... " 25	99	9	96	194	242	436	450	194	256	....	....	....	....

BERT FUREY, Returning Officer.

"	" 26	82	19	49	150	239	389	375	153	222	....	....	....	....
"	" 27	67	19	57	143	92	235	250	146	104	....	....	3	....
"	" 28	71	32	41	144	190	334	350	146	204	2	....	....	....
"	" 29	105	98	13	216	243	459	525	216	309	....	....	....	....
"	" 30	101	9	116	226	213	439	375	226	149	....	....	....	....
"	" 31	84	12	89	185	276	461	500	191	309	6	....	....	....
"	" 32	63	57	13	133	252	385	400	136	264	....	2	1	....
"	" 33	87	53	59	199	291	490	550	199	351	....	....	....	....
"	" 34	36	42	8	86	107	193	200	86	114	....	....	....	....
"	" 35	61	7	29	97	133	230	250	97	153	....	....	....	....
"	" 36	73	29	37	139	353	392	500	142	358	3	....	....	....
"	" 37	80	45	47	172	323	495	500	325	175	2	1	....	....
"	" 38	70	25	24	119	245	364	375	120	255	....	....	1	....
"	" 39	45	9	20	74	156	230	250	75	175	....	....	1	....
"	" 40	84	20	29	133	212	345	400	133	267	....	....	....	....
"	" 41	127	14	76	217	312	529	550	224	326	3	4	....	....
"	" 107	24	15	20	59	151	210	225	59	166	....	....	....	....
"	" 108	55	19	19	93	155	248	250	95	155	....	....	2	....
"	" 109	78	27	24	129	226	355	375	147	228	18	....	....	....
"	" 110	101	69	28	198	263	461	425	200	225	2	....	....	....
"	" 111	124	30	17	171	293	464	450	176	274	5	....	....	....
"	" 112	106	60	23	189	321	510	525	192	333	3	....	....	....
"	" 113	81	78	23	182	239	421	426	185	241	3	....	....	....
"	" 114	95	47	16	158	212	370	375	160	215	2	....	....	....
"	" 115	97	54	12	163	174	337	350	166	184	3	....	....	....
"	" 116	96	49	23	168	238	406	425	168	257	....	....	....	....
"	" 117	45	7	5	57	111	168	175	58	117	....	1	....	....
"	" 118	106	32	11	149	291	440	450	149	301	....	....	....	....
"	" 119	71	24	17	112	152	264	275	116	159	4	....	....	....
"	" 120	22	7	2	31	122	153	174	31	143	....	....	....	....
"	" 121	67	62	28	157	270	427	450	165	285	8	....	....	....
"	" 122	89	60	14	163	207	370	375	163	212	....	....	....	....
"	" 123	68	20	19	107	211	318	325	112	213	4	1	....	....
"	" 124	107	29	14	150	204	354	375	157	218	....	7	....	....
"	" 125	104	29	6	139	248	387	400	141	259	2	....	....	....
"	" 126	91	78	19	188	292	480	500	189	311	1	....	....	....
"	" 127	116	10	58	184	197	381	400	188	212	1	2	1	....
"	" 128	131	15	62	208	259	467	475	208	267	....	....	....	....
"	" 129	93	29	37	159	188	347	325	161	164	2	....	....	....
"	" 130	78	25	32	135	238	373	400	138	262	....	2	....	1
"	" 131	92	31	35	158	196	354	450	158	192	....	....	....	....
"	" 132	78	30	20	128	207	335	324	130	194	2	....	....	....
"	" 133	84	17	34	135	186	321	325	135	190	....	....	....	....
"	" 134	76	36	35	147	235	382	400	149	251	2	....	....	....
"	" 135	78	34	56	168	127	295	325	169	156	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Carr	Halcrow	Treleaven										
Hamilton, East. —*Con.*	Division No. 136	75	37	30	142	190	332	325	142	183	....	....	....	....
	" " " 137	57	18	45	120	113	243	250	120	130	....	....	....	....
	" " " 138	68	22	35	125	204	329	325	126	199	....	....	1	....
	" " " 139	156	34	50	240	241	481	500	244	256	4	....	....	....
	" " " 140	128	37	30	195	264	459	450	198	252	3	....	....	....
	" " " 141	46	20	40	106	166	272	300	107	193	1	....	....	....
	" " " 142	64	21	41	126	513	639	625	129	496	3	....	....	....
	" " " 143	99	46	17	162	266	428	450	162	288	....	....	....	....
	" " " 144	77	33	27	137	206	343	325	137	188	....	....	....	....
	" " " 145	95	31	20	146	318	464	475	149	326	3	....	....	....
	" " " 146	102	39	32	173	230	403	425	175	250	2	....	....	....
	" " " 147	74	41	9	124	192	316	325	125	200	....	1	....	....
	" " " 148	74	30	11	115	152	267	300	117	183	1	1	....	....
	" " " 149	93	31	10	134	169	303	300	135	165	1	....	....	....
	" " " 150	97	23	6	126	233	359	375	127	248	1	....	....	....
	" " " 151	61	19	57	137	258	395	400	138	262	1	....	....	....
	" " " 152	79	13	32	124	138	262	250	124	126	....	....	....	....
	" " " 153	52	10	47	109	159	268	275	110	165	1	....	....	....
	" " " 154	74	11	43	128	194	322	325	128	197	....	....	....	....
	" " " 155	44	19	28	91	141	232	275	92	183	1	....	....	....
	" " " 156	91	20	28	139	221	360	375	140	235	1	....	....	....
	" " " 157	74	24	32	130	210	340	350	130	220	....	....	....	....
	" " " 158	74	28	31	133	194	328	350	134	216	....	1	....	....
	" " " 159	53	15	17	85	151	236	250	87	163	....	....	2	....
	" " " 160	66	48	27	141	228	369	475	143	332	2	....	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Hamilton, East. —*Con*.....		Carr	Halcrow	Treleaven										
	Division.....No. 207	73	30	7	110	156	266	274	110	164	....	....	....	....
	" ..... " 208	37	24	9	70	152	222	250	73	177	3	....	....	....
	" ..... " 209	24	15	4	43	212	255	275	47	228	4	....	....	....
	Advance Poll.....	5	1	1	7	....	.....	50	8	42	1	....	....	....
	Totals.....	11,064	3,894	5,132	20,090	29,359	49,459	51,416	20,511	30,905	221	43	27	1
	Majority for Carr.....	5,932												
		Garden	McQuesten	Rollo										
Hamilton, West..	Division.....No. 42	12	5	6	23	54	77	75	23	52	....	....	....	....
	" ..... " 43	106	89	12	207	425	632	625	207	409	9	....	....	....
	" ..... " 44	78	61	19	158	216	374	375	158	217	....	....	....	....
	" ..... " 45	42	19	16	77	142	219	200	77	122	1	....	....	....
	" ..... " 46	72	52	15	139	261	400	400	139	260	1	....	....	....
	" ..... " 47	97	106	27	230	309	539	525	230	293	2	....	....	....
	" ..... " 48	114	43	9	166	241	407	400	166	230	4	....	....	....
	" ..... " 49	96	71	34	201	360	561	550	201	341	7	1	....	....
	" ..... " 50	137	72	34	243	322	565	550	243	299	6	....	2	....
	" ..... " 51	129	58	30	217	233	450	450	217	230	3	....	....	....
	" ..... " 52	118	69	20	207	147	354	350	207	140	3	....	....	....
	" ..... " 53	168	68	19	255	192	447	450	255	192	3	....	....	....
	" ..... " 54	95	78	5	178	151	329	325	178	145	....	....	1	....
	" ..... " 55	133	32	30	195	210	405	400	195	201	....	....	4	....
	" ..... " 56	105	48	49	202	237	439	425	202	247	....	....	1	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Hamilton, West —*Con*		Garden	McQuesten	Rollo										
	Division.....No. 102	77	33	31	141	235	376	375	141	233	....	....	1	....
	" ..... " 103	81	84	42	207	207	414	400	207	191	2	....	....	....
	" ..... " 104	68	69	25	162	183	345	350	162	183	4	1	....	....
	" ..... " 105	61	28	21	110	93	203	200	110	87	....	....	3	....
	" ..... " 106	81	37	34	152	173	325	325	152	168	4	....	1	....
	Advance Poll.....	20	4	2	26	.....	.....	50	26	24	....	....	....	....
	Totals.....	5,784	3,053	2,198	11,035	12,922	23,957	23,750	11,035	12,632	156	14	20	....
	Majority for Garden.....	2,731												
		Denyes	Hill											
Hastings, East...	Tweed.....No. 1	23	194		217	80	297	300	220	80	3	....	....	....
	" ..... " 2	43	154		197	.....	182	250	198	52	1	....	....	....
	" ..... " 3	26	97		123	132	258	300	126	124	3	....	....	50
	Hungerford—													
	Thomasburg..... " 1	18	125		143	96	240	250	144	106	1	....	....	....
	Chapman..... " 2	46	100		146	54	203	250	149	101	2	1	....	....
	Victoria.....A to K " 3	43	45		88	56	144	150	88	62	....	....	....	....
	" .....L to Z " 3	60	41		101	52	153	200	103	97	1	1	....	....
	" .....A to K " 4	42	60		102	43	146	150	103	47	....	....	....	....
	" .....L to Z " 4	35	68		103	34	137	150	103	47	....	....	....	....

Bogart	"	5	95	5	100	78	178	200	102	98	....	....	....	....		
Stoco	"	6	165	21	186	59	247	250	188	62	1	1	....	....		
Gaffney's	"	7	29	7	36	44	81	100	37	63	1	1	....	....		
Moneymore	"	8	10	54	64	11	75	100	64	36	1	....	....	....		
Sulphide	"	9	51	140	191	89	280	300	193	107	2	....	....	....		
Huntingdon—																
Moira A to L	"	1	35	78	113	73	187	200	114	86	....	1	....	....		
" M to Z	"	1	40	60	100	48	148	150	100	50	....	....	....	....		
"	"	2	25	98	123	90	213	250	123	127	....	....	....	....		
"	"	3	48	120	168	45	213	250	168	81	....	....	....	....		
"	"	4	21	116	137	87	224	250	137	113	....	....	....	....		
"	"	5	12	44	56	90	146	150	56	93	....	1	....	....		
Deseronto, Centre Ward	"	1	9	52	61	63	124	150	61	89	....	....	....	....		
" " "	"	2	25	55	80	56	136	150	81	69	....	1	....	....		
" East "	"	1	10	80	90	56	146	150	90	60	....	....	....	....		
" " "	"	2	14	63	77	44	121	150	77	73	....	....	....	....		
" West "	"	1	36	116	152	142	294	300	153	141	....	1	....	....		
" " "	"	2	10	50	60	70	130	151	60	91	....	....	....	....		
" " "	"	3	20	68	88	111	199	200	89	111	....	1	....	....		
Tyendinaga—																
Shannonville	"	1	36	150	186	50	236	300	191	109	3	....	2	....		
Melrose A to L	"	2	64	57	121	94	215	250	123	127	1	1	....	....		
" M to Z	"	2	90	29	119	48	167	200	123	77	2	....	2	....		
Lonsdale	"	3	87	90	177	123	300	350	181	169	3	1	....	....		
Maults	"	4	67	118	185	75	260	300	185	110	....	....	....	....		
Black's	"	5	26	56	82	99	181	200	83	114	1	....	....	....		
Marysville	"	6	102	43	145	84	229	250	149	101	4	....	....	....		
Read	"	7	108	25	133	82	215	250	134	115	1	....	....	....		
Indian Reserve			10	33	43	.....	57	100	43	57	....	....	....	....		
Thurlow—																
Point Anne No.		1	33	89	122	103	226	250	123	127	1	....	....	....		
" A to K	"	2	20	51	71	68	139	150	72	78	1	....	....	....		
" L to Z	"	2	36	62	98	47	145	150	98	52	....	....	....	....		
Second Con	"	3	51	70	121	31	169	200	121	79	....	....	....	....		
Donovan's	"	4	31	80	111	101	212	250	111	139	....	....	....	....		
" A to L	"	5	45	51	96	71	167	200	98	102	2	....	....	....		
" M to Z	"	5	35	56	91	58	149	150	91	59	....	....	....	....		
Town Hall	"	6	54	138	192	89	281	300	194	106	2	....	....	....		
Corbyville A to J	"	7	46	59	105	35	140	150	109	41	3	1	....	....		
" K to Z	"	7	48	65	113	43	156	200	114	86	1	....	....	....		
" A to L	"	8	53	62	115	7	122	150	116	34	....	1	....	....		
" M to Z	"	8	45	53	98	47	145	150	99	51	1	....	....	....		
Zion's Hill	"	9	116	75	191	178	269	300	193	107	2	....	....	....		

THOS. CURRY,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Hastings, East. —*Con*.....		Denyes	Hill										
	Zion's Hill.....A to H No. 10	27	70	97	56	153	200	97	103	....	....	....	....
	" .....I to Z " 10	33	48	81	31	112	150	81	69	....	....	....	....
	Totals.....	2,254	3,741	6,056	3,372	9,428	10,600	6,056	4,544	44	13	4	....
	Majority for Hill.....		1,487										
		Cooke	McCaffrey										
Hastings, North..	Stirling Village.....No. 1	203	40	243	95	338	350	243	107	....	....	....	....
	" ..... " 2	144	22	166	105	271	275	168	107	....	....	2	....
	Rawdon Tp..... " 1	145	26	174	130	304	325	174	151	3	....	....	....
	" ..... " 2	99	109	210	125	335	350	212	138	2	....	....	....
	" ..... " 3	112	52	164	108	272	275	165	110	....	1	....	....
	" ..... " 4	112	57	166	83	249	250	166	84	3	....	....	....
	" ..... " 5	174	37	211	175	386	400	211	188	....	....	1	....
	" ..... " 6	127	23	152	96	248	250	153	97	2	....	1	....
	Madoc Village..... " 1	128	80	210	164	374	375	211	164	2	1	....	....
	" .....A to M " 2	106	59	166	133	299	300	166	134	1	....	....	....
	" .....N to Z " 2	70	31	101	69	170	175	101	74	....	....	....	....
	Madoc Tp..... " 1	89	93	183	56	239	250	185	65	1	2	....	....
	" ..... " 2	185	71	260	49	309	325	260	65	4	....	....	....
	" .....A to M " 3	163	14	180	97	277	285	180	105	3	....	....	....
	" .....N to Z " 3	91	13	106	60	166	175	106	69	2	....	....	....
	" ..... " 4	98	70	169	107	276	285	169	116	1	....	....	....

Elzevir and Grimsthorpe Tp..	"	1	111	60	172	96	268	275	172	103	1	....	....	....
" " " ..	"	2	109	80	191	62	253	275	191	84	2	....	....	....
" " " ..	"	3	40	11	51	48	99	100	51	49	....	....	....	....
Marmora Village.....A to M	"	1	175	37	219	118	337	350	224	126	7	5	....	....
" .....N to Z	"	1	114	15	129	57	186	300	129	171	....	....	....	....
Deloro Village.....	"	1	68	11	79	72	151	160	79	81	....	....	....	....
Bancroft Village.....A to M	"	1	150	16	166	107	273	275	166	109	....	....	....	....
" .....N to Z	"	1	81	6	87	68	155	160	87	73	....	....	....	....
Marmora and Lake Tp.....	"	1	35	23	58	60	118	125	58	67	....	....	....	....
" "	"	2	54	37	91	66	157	160	91	69	....	....	....	....
" "	"	3	82	4	86	108	194	200	86	114	....	....	....	....
" "	"	4	38	22	60	68	128	150	60	88	....	2	....	....
" "	"	5	7	1	8	21	29	50	8	42	....	....	....	....
" "	"	6	45	31	77	76	153	160	78	82	1	1	....	....
Tudor and Cashel Tp.....	"	1	95	21	116	94	210	225	116	109	....	....	....	....
" "	"	2	43	11	54	28	82	85	54	31	....	....	....	....
" "	"	3	63	.....	64	18	82	85	64	21	1	....	....	....
Wollaston Tp.....A to M	"	1	114	40	156	147	303	310	156	154	2	....	....	....
" .....N to Z	"	1	64	15	79	69	148	150	81	69	....	....	2	....
Limerick Tp.....	"	1	49	25	74	32	106	110	74	36	....	....	....	....
"	"	2	18	2	20	16	36	50	20	30	....	....	....	....
Faraday Tp.....	"	1	114	59	174	131	305	310	175	135	1	1	....	....
"	"	2	11	18	29	23	52	60	29	31	....	....	....	....
Dungannon Tp.....	"	1	90	65	155	91	246	250	155	94	....	....	1	....
"	"	2	43	25	70	57	127	135	70	65	2	....	....	....
Mayo Tp.....	"	1	88	44	133	97	230	235	133	102	1	....	....	....
Herschel and Monteagle Tp...	"	1	59	26	86	206	292	300	86	214	1	....	....	....
" " ...	"	2	52	12	68	140	208	210	68	142	4	....	....	....
" " ...	"	3	44	62	106	155	261	275	106	169	....	....	....	....
" " ...	"	4	46	29	75	80	155	160	75	85	....	....	....	....
Carlow Tp.....	"	1	72	31	103	96	199	200	103	97	....	....	....	....
"	"	2	13	16	29	28	57	60	31	29	....	....	....	....
McClure, Wicklow, Bangor Tp.	"	1	113	33	148	145	293	300	149	151	2	1	....	....
" "	"	2	10	34	46	85	131	135	46	89	2	....	....	....
Totals.....			4,356	1,713	6,120	4,417	10,537	11,030	6,141	4,889	51	14	7	....
Majority for Cooke.....			2,643											

ROBERT A. WOODS,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Ireland	O'Flynn										
Hastings, West...	Belleville.....No. 1	91	125	216	161	377	400	217	183	....	....	1	....
	" ..... " 2	77	76	153	183	366	350	158	192	....	4	1	....
	" ..... " 3	63	67	130	171	301	325	130	195	....	....	....	....
	" ..... " 4	95	78	176	186	362	375	176	199	3	....	....	....
	" ..... " 5	84	110	194	194	388	400	194	206	....	....	....	....
	" ..... " 6	74	66	141	218	359	375	141	234	1	....	....	....
	" .....A to K " 7	56	62	118	211	329	350	122	228	....	....	4	....
	" .....L to Z " 7	51	74	126	97	223	225	126	99	1	....	....	....
	" ..... " 8	64	67	133	133	266	275	133	142	2	....	....	....
	" ..... " 9	94	63	160	197	357	375	160	215	3	....	....	....
	" .....A to K " 10	69	61	132	154	286	300	133	167	2	1	....	....
	" .....L to Z " 10	68	67	137	254	391	400	137	263	2	....	....	....
	" .....A to K " 11	64	54	118	157	275	300	123	177	....	5	....	....
	" .....L to Z " 11	59	45	104	127	231	250	104	146	....	....	....	....
	" ..... " 12	61	106	167	196	363	375	167	208	....	....	....	....
	" ..... " 13	114	33	150	210	360	375	150	225	3	....	....	....
	" ..... " 14	82	47	130	177	307	325	130	195	1	....	....	....
	" ..... " 15	114	79	193	204	397	400	195	205	....	....	2	....
	" ..... " 16	87	73	164	183	347	350	164	186	4	....	....	....
	" .....A to K " 17	65	49	115	144	259	275	117	158	1	2	....	....
	" .....L to Z " 17	57	42	100	138	238	250	101	149	1	1	....	....
	" .....A to M " 18	85	58	144	145	289	325	144	181	1	....	....	....
	" .....N to Z " 18	58	34	93	229	322	300	93	207	1	....	....	....
	" .....A to K " 19	62	34	97	146	243	250	97	153	1	....	....	....
	" .....L to Z " 19	46	40	86	112	198	225	86	139	....	....	....	....

H. G. BLEECKER, Returning Officer.

"	"	20	89	62	152	173	325	350	152	198	1	....	....	....
"	"	21	94	54	148	186	334	350	150	200	....	2	....	....
"	"	22	74	50	124	141	265	275	124	151	....	....	....	....
"	"	23	88	97	185	172	357	375	188	187	....	3	....	....
"	Special Poll		24	19	43	.....	.....	200	43	157	....	....	....	....
Trenton	A to K	" 1	117	57	178	54	232	325	178	147	....	4	....	....
"	L to Z	" 1	100	37	137	77	214	225	139	86	....	....	2	....
"	A to G	" 2	133	44	177	162	339	350	180	170	....	....	3	....
"	H to P	" 2	119	37	156	122	278	300	159	141	....	3	....	....
"	Q to Z	" 2	112	30	145	127	272	275	145	130	3	....	....	....
"	A to K	" 3	102	41	145	159	304	325	145	180	2	....	....	....
"	L to Z	" 3	99	36	135	164	299	325	135	190	....	....	....	....
"		" 4	126	37	170	152	322	325	170	155	7	....	....	....
"	A to G	" 5	177	58	235	155	390	403	236	167	....	1	....	....
"	H to P	" 5	167	50	219	144	363	375	219	156	2	....	....	....
"	Q to Z	" 5	124	54	178	172	350	375	178	197	....	....	....	....
"	A to K	" 6	85	34	121	180	301	325	123	202	2	2	....	....
"	L to Z	" 6	103	47	153	120	273	275	153	122	3	....	....	....
"	Special R. R. Poll		34	3	38	.....	.....	200	38	162	1	....	....	....
Sidney	A to K	" 1	35	36	71	172	243	250	71	179	....	....	....	....
"	L to Z	" 1	82	34	117	72	189	200	117	83	1	....	....	....
"		" 2	56	66	122	84	206	225	124	101	....	2	....	....
"	A to K	" 3	121	41	163	84	247	250	163	87	1	....	....	....
"	L to Z	" 3	69	73	142	98	240	250	147	103	....	....	5	....
"		" 4	142	88	234	138	372	375	234	141	4	....	....	....
"		" 5	95	53	150	77	227	250	150	100	2	....	....	....
"		" 6	110	83	196	111	307	325	196	129	3	....	....	....
"		" 7	114	77	194	107	301	325	194	131	3	....	....	....
Frankford	A to M	" 1	129	123	253	78	331	350	254	96	1	1	....	....
"	N to Z	" 2	86	93	179	63	242	250	179	71	....	....	....	....
Totals			4,846	3,224	8,137	7,871	15,957	17,153	8,182	8,971	63	31	18	....
Majority for Ireland			1,622											

			Sommerville	Govenlock	Wigle									
Huron, Centre	Grey	No. 1	87	19	38	144	81	225	225	144	81	....	....	....	....
"	"	" 2	70	31	23	125	58	183	200	125	75	1	....	....	....
"	"	" 3	82	9	34	125	51	176	200	125	75	....	....	....	....
"	"	" 4	74	21	26	123	127	250	250	123	127	2	....	....	....
"	"	" 5	98	44	50	193	173	366	375	193	182	1	....	....	....
"	"	" 6	93	16	19	129	103	232	250	129	121	1	....	....	....
"	"	" 7	73	32	20	126	90	216	225	126	99	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Sommerville	Govenlock	Wigle										
Huron, Centre. —*Con.*	McKillop No. 1	72	91	8	173	93	266	275	175	100	2	....	....	....
	" " 2	130	81	49	261	103	364	375	261	114	1	....	....	....
	" " 3	97	43	43	185	122	307	325	185	140	2	....	....	....
	" " 4	165	26	73	265	55	320	325	265	60	1	....	....	....
	Hullett " 1	82	64	22	169	65	234	250	169	81	....	1	....	....
	" " 2	101	38	44	183	76	259	275	183	92	....	....	....	....
	" " 3	18	40	31	90	49	139	150	90	60	1	....	....	....
	" " 4	36	46	47	131	94	225	225	131	119	....	....	2	....
	" " 5	21	18	26	66	68	134	150	67	73	1	1	....	....
	" " 6	30	56	27	113	65	178	200	113	87	....	....	....	....
	" " 7	48	30	38	117	68	185	200	117	83	....	1	....	....
	Colbourne " 1	83	10	64	157	87	244	250	157	93	....	....	....	....
	" " 2	13	18	65	96	41	137	150	96	54	....	....	....	....
	" " 3	106	22	79	208	96	304	325	208	117	....	....	1	....
	" " 4	53	14	17	84	55	139	150	84	66	....	....	....	....
	Goderich " 1	17	101	220	345	130	475	475	345	130	7	....	....	....
	" " 2	15	123	180	322	136	458	475	322	153	4	....	....	....
	" " 3	9	100	157	267	139	406	425	267	158	....	....	1	....
	" " 4	30	127	196	354	129	483	500	354	146	....	....	1	....
	" " 5	15	73	173	261	111	372	375	261	164	....	....	....	....
	" " 6	22	127	211	361	171	532	550	361	189	1	....	....	....
	" " 7	4	57	129	194	69	263	275	194	81	....	....	4	....
	Clinton " 1	18	81	95	195	142	337	350	195	155	1	....	....	....
	" " 2	24	104	159	287	105	392	400	237	113	....	....	....	....

ALDEN MCGAVIN, Returning Officer,

	"	" 3	18	91	108	218	112	330	350	218	132	1	....	....	....
	"	" 4	17	47	107	171	70	241	250	173	77	....	2	....	....
	Seaforth	" 1	30	97	52	179	100	279	300	179	121	....	....	....	....
	"	" 2	30	81	77	189	72	261	275	189	86	1	....	....	....
	"	" 3	12	102	43	158	60	228	250	158	92	....	1	....	....
	"	" 4	8	64	48	120	66	186	200	120	80	....	....	....	....
	"	" 5	10	41	85	136	71	208	225	137	88	....	1	....	....
	"	" 6	6	81	52	140	64	204	225	140	85	1	....	....	....
	Brussels	" 1	42	79	123	246	134	380	400	246	134	1	....	1	....
	"	" 2	33	64	75	173	107	280	300	173	127	1	....	....	....
	Totals		1,992	2,409	3,133	7,583	3,886	11,398	11,750	7,519	4,231	32	7	10	....
	Majority for Wigle				724										

JOHN JAMIESON, Returning Officer.

			Bricker	Cosens	Joynt										
Huron, North	Ashfield	No. 1	34	20	94	148	102	250	275	150	125	2	....	....	....
	"	" 2	56	5	91	152	71	223	250	153	97	....	....	1	....
	"	" 3	43	12	79	134	58	192	200	134	66	....	....	....	....
	"	" 4	40	5	77	122	55	177	200	122	78	....	....	....	....
	"	" 5	81	25	10	116	87	203	225	117	108	....	....	1	....
	"	" 6	84	6	15	105	79	184	200	105	95	....	....	....	....
	"	" 7	97	11	23	131	74	205	225	131	94	....	....	....	....
	Blyth	" 1	21	56	80	158	105	263	275	158	117	1	....	....	....
	"	" 2	16	32	100	149	83	232	250	149	101	1	....	....	....
	Howick	" 1	105	12	77	194	75	269	300	194	106	....	....	....	....
	"	" 2	98	22	64	185	87	272	300	185	115	1	....	....	....
	"	" 3	37	18	70	126	82	208	200	126	74	1	....	....	....
	"	" 3 A	34	12	97	143	36	179	200	143	57	....	....	....	....
	"	" 4	74	18	87	180	17	197	200	180	20	....	1	....	....
	"	" 4 A	47	4	40	91	95	186	200	91	109	....	....	....	....
	"	" 5	79	10	29	118	93	311	175	118	57	....	....	....	....
	"	" 5 A	54	9	36	100			175	100	75	....	1	....	....
	"	" 6	162	14	62	178	72	250	275	178	97	....	....	....	....
	Morris	" 1	75	15	25	165	28	193	225	165	60	....	....	....	....
	"	" 2	62	11	57	130	71	211	225	130	95	....	....	....	....
	"	" 3	63	16	60	139	65	204	200	139	61	....	....	....	....
	"	" 4	62	7	58	127	69	196	225	127	98	....	....	....	....
	"	" 5	63	14	60	137	70	207	225	137	88	....	....	....	....
	"	" 6	76	21	57	154	91	245	275	154	121	....	....	....	....
	Turnberry	" 1	38	37	25	100	109	319	175	100	75	....	....	....	....
	"	" 1 A	18	37	55	110			175	110	65	....	....	....	....
	"	" 2	94	38	55	187	51	238	275	187	88	....	....	....	....
	"	" 3	64	7	41	112	72	184	200	112	88	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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		Bricker	Cosens	Joynt										
Huron, North. —*Con*.....	Turnberry..... No. 4	93	6	33	132	87	219	250	132	118	....	....	....	....
	Wawanosh East..... " 1	51	7	28	86	59	145	175	88	87	....	2	....	....
	" ..... " 2	90	11	72	173	48	221	225	173	52	....	....	....	....
	" ..... " 3	94	10	54	159	38	197	200	160	40	1	....	1	....
	" ..... " 4	63	14	60	137	39	176	175	137	38	....	....	....	....
	" ..... " 5	45	7	51	103	44	147	150	104	46	....	1	....	....
	Wawanosh West..... " 1	27	33	105	165	69	234	250	165	85	....	....	....	....
	" ..... " 2	34	21	80	135	45	210	225	136	89	1	....	....	....
	" ..... " 3	30	8	65	103	19	122	150	103	47	....	....	....	....
	" ..... " 4	54	1	74	129	34	163	175	129	46	....	....	....	....
	" ..... " 5	62	8	59	129	40	169	200	130	70	1	....	....	....
	Wingham..... " 1	13	70	113	198	94	292	325	198	127	2	....	....	....
	" ..... " 2	10	100	88	198	100	298	325	198	127	....	....	....	....
	" ..... " 3	4	60	59	123	125	364	200	123	77	....	....	....	....
	" ..... " 3 A	5	54	57	116			200	116	84	....	....	....	....
	" ..... " 4	9	38	65	112	117	394	200	112	88	....	....	....	....
	" ..... " 4 A	12	77	76	165			200	165	35	....	....	....	....
	" ..... " 5	5	42	53	101	69	170	175	101	74	1	....	....	....
	Wroxeter..... " 1	36	54	55	148	131	279	300	148	152	3	....	....	....
	Totals.....	2,498	1,122	2,896	6,539	3,055	9,594	10,600	6,539	3,061	15	5	3	....
	Majority for Joynt.....			398										

				McGregor	Medd	Trewartha										
Huron, South....	Hay	No.	1	27	39	22	88	33	121	150	88	62	....	....	....	....
	"	"	2	21	63	15	99	37	136	150	99	51	....	....	....	....
	"	Part 1 "	3	43	35	35	114	83	197	225	113	111	1	....	....	....
	"	" 2 "	3	44	34	51	130	65	195	225	129	95	1	....	....	....
	"	" 1 "	4	33	51	20	104	32	136	150	104	46	....	....	....	....
	"	" 2 "	4	26	31	22	79	80	159	175	79	96	....	....	....	....
	"		"	5	14	81	13	109	50	159	175	108	66	1	....	....	....
	"		"	6	41	64	62	168	109	277	300	167	132	1	....	....	....
	"		"	7	14	30	26	72	35	107	125	70	53	2	....	....	....
	"		"	8	37	65	15	118	49	167	175	117	57	....	1	....	....
	Stephen		"	1	29	8	129	166	57	223	250	166	84	....	....	....	....
	"		"	2	7	41	32	80	58	138	150	80	69	....	1	....	....
	"		"	3	41	25	50	116	89	205	225	116	109	....	....	....	....
	"		"	4	45	59	51	157	105	262	275	155	117	2	1	....	....
	"		"	5	40	30	33	105	55	160	175	103	70	2	....	....	....
	"		"	6	51	45	71	167	87	254	275	167	108	....	....	....	....
	"		"	7	45	43	23	111	38	149	175	111	64	....	....	....	....
	"		"	8	8	48	37	93	38	131	150	93	57	....	....	....	....
	"		"	9	32	59	46	137	96	233	250	137	113	....	....	....	....
	Usborne		"	1	11	41	63	116	23	139	150	115	34	1	....	....	....
	"		"	2	16	73	32	121	28	149	175	121	54	....	....	....	....
	"		"	3	20	52	26	98	46	144	175	98	77	....	....	....	....
	"		"	4	31	59	31	122	47	169	200	121	78	1	....	....	....
	"		"	5	16	79	52	147	45	192	200	147	53	....	....	....	....
	"		"	6	7	26	47	80	45	125	150	80	70	....	....	....	....
	"		"	7	6	58	62	127	54	181	200	126	73	1	....	....	....
	Tuckersmith		"	1	82	46	29	158	76	234	250	157	92	1	....	....	....
	"		"	2	97	44	32	173	78	251	275	173	101	....	1	....	....
	"		"	3	32	80	28	141	47	188	200	140	59	1	....	....	....
	"		"	4	77	70	36	183	47	230	250	183	67	....	....	....	....
	"		"	5	62	69	26	158	58	216	225	157	67	1	....	....	....
	"		"	6	61	50	28	140	60	200	225	140	85	1	....	....	....
	Goderich Tp		"	1	20	41	96	157	97	254	275	158	117	....	1	....	....
	"		"	2	25	25	92	142	38	180	200	142	58	....	....	....	....
	"		"	3	29	54	83	166	54	220	250	166	84	....	....	....	....
	"		"	4	9	28	74	112	22	134	150	112	38	1	....	....	....
	"		"	5	12	47	95	156	58	214	225	155	68	1	1	....	....
	"		"	6	21	19	67	107	28	135	150	107	43	....	....	....	....
	Bayfield	Part 1	"	1	23	7	74	104	56	160	175	104	71	....	....	....	....
	"	" 2	"	1	16	17	67	100	58	158	175	100	75	....	....	....	....
	Stanley		"	1	26	38	36	100	39	139	150	100	50	....	....	....	....
	"		"	2	52	38	21	111	39	150	175	111	64	....	....	....	....
	"		"	3	24	45	18	89	45	134	150	87	61	2	....	....	....

GEORGE LAYTON,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Huron, South. —*Con*		McGregor	Medd	Trewartha										
	Stanley.....No. 4	16	39	138	194	89	283	300	193	105	1	1	....	....
	" ..... " 5	12	55	43	110	41	151	175	110	64	....	1	....	....
	" ..... " 6	41	46	22	109	80	189	200	109	91	....	....	....	....
	" ..... " 7	28	14	8	51	34	85	100	50	49	1	....	....	....
	Exeter..... " 1	24	45	166	236	84	320	375	234	107	1	1	....	....
	" ..... " 2	65	63	154	283	90	373	400	282	116	1	1	....	....
	" ..... " 3	48	86	103	238	99	337	350	237	112	1	....	....	....
	" ..... " 4	23	15	41	81	46	127	150	78	69	2	....	1	....
	Hensall.....Part 1 " 1	91	18	80	190	73	263	275	190	85	....	....	....	....
	" ..... " 2 " 1	97	25	77	200	85	285	300	199	100	1	....	....	....
	Totals.....	1,818	2,363	2,800	7,013	3,105	10,118	11,050	6,974	4,156	29	10	1	....
	Majority for Trewartha.....			437										

Kenora: Peter Heenan, by acclamation—GEORGE DOAN, Returning Officer.

		Beamish	Doherty											
Kent, East.....	Camden Tp.....No. 1	50	91	141	61	202	225	141	83	1	....	....	....	
	" ..... " 2	34	69	103	111	214	250	103	147	....	....	....	....	
	" ..... " 3	30	22	52	29	81	100	52	48	....	....	....	....	
	" ..... " 4	47	92	139	61	200	200	139	61	....	....	....	....	
	" ..... " 5	35	101	136	67	203	225	136	89	....	....	....	....	

"	"	6	38	67	105	97	202	225	105	119	1	....	....	....
"	"	7	33	37	70	66	136	150	70	79	1	....	....	....
Dresden, North Ward.....	"	1	144	43	187	155	342	400	187	212	....	....	1	....
" Centre "	"	2	135	21	156	116	272	300	156	144	....	....	....	....
" South "	"	3	205	56	261	153	414	439	261	173	3	2	....	....
Tp. of Zone.....	"	1	40	64	104	80	184	200	104	96	....	....	....	....
"	"	2	70	58	128	72	200	225	128	96	....	1	....	....
"	"	3	82	35	117	40	157	175	117	57	1	....	....	....
Town of Bothwell.....	"	1	144	39	183	74	257	275	183	90	....	....	2	....
"	"	2	92	32	124	64	188	200	124	73	3	....	....	....
"	"	3	25	.....	25	7	32	50	25	25	....	....	....	....
Vil. of Thamesville....A to M	"	1	168	57	225	99	324	350	225	124	1	....	....	....
" ..Mc to Z	"	1	131	30	161	75	236	250	161	86	3	....	....	....
Moravian Indian Reserve....	"	1	26	6	32	11	43	50	32	18	....	....	....	....
Tp. of Orford.....	"	1	30	29	59	30	89	100	59	40	1	....	....	....
"	"	2	19	114	133	68	201	225	133	91	1	....	....	....
" .....S ½	"	3	10	70	80	36	116	125	80	45	....	....	....	....
" .....N ½	"	3	7	54	61	25	86	100	61	39	....	....	....	....
" .....S ½	"	4	16	74	90	62	152	175	90	85	....	....	....	....
" .....N ½	"	4	3	46	49	29	78	100	49	51	....	....	....	....
"	"	5	13	103	116	54	170	200	116	84	....	....	....	....
"	"	6	34	72	106	83	189	200	106	92	1	....	1	....
"	"	7	11	86	97	48	145	175	97	78	....	....	....	....
Village of Highgate.....	"	1	105	55	160	124	284	300	160	138	1	1	....	....
Town of Ridgetown.....	"	1	92	34	126	151	277	300	126	173	1	....	....	....
"	"	2	58	85	143	217	360	400	143	256	....	....	1	....
" ...A to K	"	3	53	46	99	122	221	250	99	151	....	....	....	....
" ...L to Z	"	3	41	50	91	124	215	250	91	158	....	1	....	....
" ...A to H	"	4	57	32	89	79	168	175	89	86	....	....	....	....
" ...I to Z	"	4	41	42	83	125	208	225	83	142	....	....	....	....
Tp. of Howard.....N ½	"	1	28	79	107	42	149	200	107	93	....	....	....	....
" .....S ½	"	1	11	96	107	50	157	200	107	93	....	....	....	....
"	"	2	45	131	176	147	323	350	176	174	....	....	....	....
"	"	3	26	166	192	107	299	325	192	133	....	....	....	....
"	"	4	5	178	183	106	289	300	183	116	....	....	1	....
"	"	5	82	121	203	199	402	425	203	222	....	....	....	....
"	"	6	39	82	121	87	208	225	121	104	....	....	....	....
Town of Blenheim, Ward 1,..	"	1	170	39	209	148	357	375	209	165	1	....	....	....
" " Ward 2,..	"	1	87	57	144	131	275	300	144	156	....	....	....	....
" " Ward 2,..	"	2	58	32	90	90	180	200	90	110	....	....	....	....
" " Ward 3,..	"	1	106	67	173	124	297	325	173	151	....	1	....	....
Village of Erieau.....	"	1	24	12	36	70	106	111	36	75	....	....	....	....
" Erie Beach.....	"	1	8	5	13	16	29	50	13	36	1	....	....	....
Township of Harwich.....	"	1	30	42	72	173	245	275	72	201	1	....	....	1
" "	"	2	19	61	80	97	177	200	80	120	....	....	....	....

WALTER S. HOLMES,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Kent, East —*Con*.....	Township of Harwich.....No. 3	Beamish 44	Doherty 93	137	161	298	325	137	187	1	....	....	....
	" " ..... " 4	84	87	171	112	283	300	171	128	....	1	....	....
	" " ..... " 5	77	71	148	141	289	300	148	152	....	....	....	....
	" " ..... " 6	19	112	131	115	246	250	131	119	....	....	....	....
	" " ..... " 7	36	90	126	134	260	275	126	149	....	....	....	....
	" " ..... " 8	58	82	140	125	265	275	140	132	3	....	....	....
	" " ..... " 9	79	97	176	73	249	250	176	74	....	....	....	....
	" " ..... " 10	39	174	213	70	283	300	213	86	....	1	....	....
	" " ..... " 11	33	138	171	121	292	300	171	128	....	....	....	1
	Totals.....	3,326	4,024	7,350	5,454	12,804	14,025	7,350	6,633	26	8	6	2
	Majority for Doherty.....		698										
Kent, West.....	City of Chatham.....No. A-A	Brackin 87	McCreary 18	105	149	256	275	107	168	1	....	1	....
	" ..... " A-B	94	27	121	147	268	300	121	179	....	....	....	....
	" ..... " 1 A	112	40	152	179	331	375	152	223	....	....	....	....
	" ..... " 1 B	105	19	124	151	275	300	124	176	....	....	....	....
	" ..... " 2 A	141	30	175	181	356	450	175	275	4	....	....	....
	" ..... " 2 B	160	29	190	173	363	400	190	210	1	....	....	....
	" ..... " 3 A	115	31	146	217	363	400	146	254	....	....	....	....
	" ..... " 3 B	110	36	146	211	357	375	146	229	....	....	....	....
	" ..... " 4 A	130	24	154	62	216	250	154	96	....	....	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Brackin	McCreary										
Kent, West —*Con.*	Township of Dover.....No. 1	79	52	132	151	283	300	132	168	1	....	....	....
	" ..... " 2	12	43	57	65	122	150	57	93	2	....	....	....
	" ..... " 3 A	38	68	106	123	229	250	106	144	....	....	....	....
	" ..... " 3 B	43	41	84	77	161	200	84	116	....	....	....	....
	" ..... " 4	62	27	89	81	170	200	89	111	....	....	....	....
	" ..... " 5	107	13	124	197	321	350	124	226	4	....	....	....
	" ..... " 6	73	27	100	59	159	175	100	75	....	....	....	....
	" ..... " 7	23	95	120	102	222	275	120	155	2	....	....	....
	" ..... " 8	34	41	75	112	187	200	75	125	....	....	....	....
	" ..... " 9	..	24	24	34	58	100	24	76	....	....	....	....
	" ..... " 10	15	82	97	82	179	225	97	128	....	....	....	....
	Township of Raleigh..... " 1	47	84	131	78	209	225	131	94	....	....	....	....
	" ..... " 2	12	70	83	68	151	198	83	115	1	....	....	....
	" ..... " 3	33	66	100	89	189	225	100	125	1	....	....	....
	" ..... " 4	61	70	131	126	257	275	131	144	....	....	....	....
	" ..... " 5	40	86	126	105	231	300	126	174	....	....	....	....
	" ..... " 6 A	33	47	81	85	166	200	81	119	1	....	....	....
	" ..... " 6 B	42	38	80	73	153	200	80	120	....	....	....	....
	" ..... " 7	31	49	80	79	159	175	80	95	....	....	....	....
	" ..... " 8	15	103	118	108	226	250	118	132	....	....	....	....
	" ..... " 9	16	57	73	66	139	175	73	102	....	....	....	....
	" ..... " 10	10	57	67	43	110	225	67	158	....	....	....	....
	" ..... " 11	60	25	87	97	184	200	87	113	2	....	....	....
	" ..... " 12	40	17	59	73	132	175	59	116	1	1	....	....
	Tilbury East..... " 1	65	49	114	70	184	225	114	111	....	....	....	....

"	"	2	16	47	63	131	194	225	63	162	....	....	....	....
"	"	3	32	67	101	85	186	225	101	125	1	1	....	....
"	"	4	52	69	121	161	282	300	121	179	....	....	....	....
"	"	5	24	91	117	130	247	275	117	158	2	....	....	....
"	"	6	63	42	105	79	184	200	105	95	....	....	....	....
"	"	7	21	33	54	72	126	150	54	96	....	....	....	....
"	"	8	16	70	87	102	189	225	87	138	1	....	....	....
Tilbury Town	"	1 A	60	13	75	44	119	200	75	125	2	....	....	....
"	"	1 B	90	13	104	84	188	200	104	96	1	....	....	....
"	"	2 A	128	40	169	164	333	400	169	231	1	....	....	....
"	"	2 B	124	39	166	166	332	400	166	234	3	....	....	....
Township of Romney	"	1	19	45	64	96	160	200	64	136	....	....	....	....
"	"	2	13	18	31	102	133	200	31	169	....	....	....	....
"	"	3	10	73	83	72	155	225	83	142	....	....	....	....
"	"	4	16	42	58	91	149	200	58	142	....	....	....	....
"	"	5	31	27	58	102	160	200	58	142	....	....	....	....
Wheatley	"	1 A	54	10	64	99	163	225	64	161	....	....	....	....
"	"	1 B	66	25	92	141	233	225	92	133	....	1	....	....
Totals			6,153	4,136	10,359	11,309	21,668	24,898	10,359	14,539	52	16	2	....
Majority for Brackin			2,017											

Kingston: William Folger Nickle, by acclamation—H. D. WIGHTMAN, Returning Officer.

				Connelly	Dawson	Oke								
East Lambton....	Township of Brooke	No.	1	5	28	62	95	22	117	125	95	30	....	....	....	....
	"	"	2	24	18	92	134	39	173	200	134	66	....	....	....	....
	"	"	3 A	6	150	75	231	56	287	300	231	68	1	....	....	....
	"	"	3 B	2	47	28	77	25	102	125	77	47	1	....	....	....
	"	"	4	9	33	34	76	29	105	125	76	49	....	....	....	....
	"	"	5	28	20	91	139	47	186	200	139	61	....	....	....	....
	"	"	6	18	25	65	108	40	148	175	108	67	....	....	....	....
	"	"	7	26	6	14	46	21	67	100	46	54	....	....	....	....
	"	"	8	..	33	34	67	35	102	125	67	58	....	....	....	....
	"	"	9	5	1	32	38	23	61	75	38	37	....	....	....	....
	"	"	10	..	48	45	93	34	127	150	93	57	....	....	....	....
	"	"	11	5	57	39	101	27	128	150	101	49	....	....	....	....
	"	"	12	..	16	81	97	30	127	150	97	53	....	....	....	....
	Township of Warwick	"	1	14	41	107	162	83	245	275	162	111	1	1	....	....
	"	"	2	20	76	59	155	50	205	225	155	70	....	....	....	....
	"	"	3	31	79	92	202	104	306	325	202	123	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Lambton, East. —*Con.*.....		Connelly	Dawson	Oke										
	Township of Warwick.... No, 4	2	42	87	131	79	210	250	131	119	....	....	....	....
	" .... " 5	6	18	117	141	69	210	250	141	108	1	....	....	....
	" .... " 6	6	12	59	77	77	154	175	77	98	....	....	....	....
	" .... " 7	17	46	43	106	57	163	150	106	44	....	....	....	....
	Township of Bosanquet.. " 1	10	72	74	156	105	261	275	156	119	....	....	....	....
	" .. " 2 A	12	76	45	133	85	218	225	133	92	....	....	....	....
	" .. " 2 B	15	25	18	58	60	118	150	58	92	....	....	....	....
	" .. " 3	2	60	91	153	53	206	225	153	72	....	....	....	....
	" .. " 4	15	26	90	131	49	180	200	131	68	1	....	....	....
	" .. " 5	18	21	68	107	49	156	175	107	68	....	....	....	....
	" .. " 6	23	20	54	97	84	181	200	97	103	....	....	....	....
	" .. " 7	3	9	12	24	29	53	75	24	51	....	....	....	....
	Township of Euphemia .. " 1	24	71	61	156	102	258	300	156	143	....	....	1	....
	" . " 2	11	23	77	111	37	148	175	111	64	....	....	....	....
	" .. " 3	..	38	59	97	35	132	150	97	53	....	....	....	....
	" .. " 4	6	11	40	57	31	88	125	57	68	....	....	....	....
	" .. " 5	34	19	76	129	95	224	250	129	121	....	....	....	....
	" .. " 6	1	11	59	71	61	132	150	71	79	....	....	....	....
	" .. " 7	13	15	40	68	34	102	125	68	57	....	....	....	....
	Township of Plympton... " 1	6	38	73	117	62	179	200	117	82	1	....	....	....
	" ... " 2	18	66	120	204	76	280	300	204	95	1	....	....	....
	" ... " 3	22	31	94	147	69	216	250	147	103	....	....	....	....
	" ... " 4 A	15	23	98	136	94	230	250	136	114	....	....	....	....
	" ... " 4 B	1	12	49	62	29	91	125	62	63	....	....	....	....
	" ... " 5 A	31	30	103	164	84	248	275	164	110	1	....	....	....

GEORGE J. TEDFORD, Returning Officer.

	" ... " 5 B	13	4	44	61	53	114	125	61	64	....	....	....	....
	" ... " 6	7	13	43	63	20	83	100	63	37	....	....	....	....
	" ... " 7	11	43	71	125	52	177	200	125	75	....	....	....	....
	" ... " 8	9	35	51	95	58	153	175	95	80	....	....	....	....
	Village of Alvinston..... " 1	48	58	20	126	59	185	200	126	72	1	1	....	....
	" ..... " 2 A	66	63	25	154	62	216	225	154	70	1	....	....	....
	" ..... " 2 B	30	31	19	80	34	114	125	80	45	....	....	....	....
	Village of Watford..... " 1 A	71	96	10	177	66	243	275	177	93	3	....	2	....
	" ..... " 1 B	50	65	7	122	25	147	175	122	51	2	....	....	....
	" ..... " 2 A	94	68	20	182	68	250	275	182	93	....	....	....	....
	" .....–" 2 B	33	37	6	76	20	96	125	76	49	....	....	....	....
	Village of Wyoming..... " 1	25	67	18	110	153	263	275	110	163	1	....	1	....
	" ..... " 2	25	79	24	128	138	266	275	128	147	....	....	....	....
	Village of Arkona..... " 1	31	74	57	162	107	269	300	162	136	1	....	1	....
	Village of Thedford..... " 1 A	37	99	40	176	115	291	325	176	147	1	1	....	....
	" ..... " 1 B	5	50	11	66	37	103	125	66	59	....	....	....	....
	Town of Forest..... " 1 A	67	80	20	167	69	236	250	167	82	1	....	....	....
	" ..... " 1 B	30	50	8	88	36	124	150	88	62	....	....	....	....
	" ..... " 2 A	35	100	39	174	81	255	275	174	100	1	....	....	....
	" ..... " 2 B	37	35	11	83	39	122	150	83	66	....	1	....	....
	" ..... " 3 A	41	94	13	148	64	212	225	148	77	....	....	....	....
	" ..... " 3 B	22	32	10	64	50	114	150	64	86	....	....	....	....
	Totals.....	1,291	2,766	3,224	7,281	3,676	10,957	12,350	7,281	5,040	20	4	5	....
	Majority for Oke.....			458										

		Cook	Haney	Webster										
Lambton, West...	Courtright.....No. 1	42	100	4	146	137	285	300	148	152	2	....	....	....
	Dawn Township..... " 1	8	21	42	71	76	148	150	72	78	....	....	1	....
	" ..... " 2	2	24	49	75	66	142	150	76	74	1	....	....	....
	" ..... " 3	9	23	100	132	48	180	200	..	68	....	....	....	....
	" ..... " 4	8	15	57	80	47	128	150	89	61	....	....	1	....
	" ..... " 5	1	16	64	81	59	140	150	81	69	....	....	....	....
	" ..... " 6	9	26	47	82	44	128	150	84	66	....	1	1	....
	" ..... " 7	..	13	62	75	36	111	125	75	50	....	....	....	....
	" ..... " 8	2	23	52	77	44	121	125	77	48	....	....	....	....
	" ..... " 9	5	14	93	112	55	167	175	112	63	....	....	....	....
	" ..... " 10	2	22	60	84	49	133	150	84	66	....	....	....	....
	" ..... " 11	4	21	41	66	37	104	125	67	58	1	....	....	....
	Enniskillen Township..... " 1	1	10	20	31	19	50	50	31	19	....	....	....	....
	" ..... " 2	2	28	12	42	13	55	75	42	33	....	....	....	....
	" ..... " 3	..	11	23	34	13	47	50	34	16	....	....	....	....
	" ..... " 4	..	4	45	49	7	56	75	49	26	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Lambton, West. —*Con.*	Enniskillen Township..... No. 5	Cook	Haney	Webster										
		2	3	52	57	10	67	75	57	18	....	....	....	....
	" ..... " 6	3	17	43	63	12	76	75	64	11	1	....	....	....
	" ..... " 7	9	17	51	77	30	109	125	79	46	2	....	....	....
	" ..... " 8–9	2	28	57	87	23	111	125	88	37	1	....	....	....
	" ..... " 10	2	33	26	61	15	76	100	61	39	....	....	....	....
	" ..... " 11	7	23	15	45	16	61	75	45	30	....	....	....	....
	" ..... " 12	..	30	47	77	43	120	125	77	48	....	....	....	....
	" ..... " 13	4	11	29	44	13	57	75	44	31	....	....	....	....
	" ..... " 14	..	10	34	44	6	50	50	44	6	....	....	....	....
	" ..... " 15	..	17	49	66	14	80	100	66	34	....	....	....	....
	" ..... " 16	2	23	25	50	29	79	100	50	50	....	....	....	....
	" ..... " 17	1	17	22	40	12	52	75	40	35	....	....	....	....
	" ..... " 18	3	24	19	46	8	54	75	46	29	....	....	....	....
	" ..... " 19	1	30	18	49	17	67	75	50	25	1	....	....	....
	" ..... " 20	30	52	13	95	45	141	150	96	54	1	....	....	....
	" ..... " 21	3	16	42	61	20	81	100	56	39	....	....	....	....
	" ..... " 22	1	11	43	55	9	65	75	61	19	....	....	1	....
	" ..... " 23	3	18	15	36	8	44	50	36	14	....	....	....	....
	" ..... " 24	..	6	20	26	13	39	50	26	24	....	....	....	....
	" ..... " 25	..	2	35	37	9	47	50	38	12	1	....	....	....
	Moore Township..... " 1	14	25	48	87	60	153	175	88	87	1	....	....	....
	" ..... " 2	3	1	36	40	32	72	75	40	35	....	....	....	....
	" ..... " 3	58	47	75	180	86	266	275	180	95	....	....	....	....
	" ..... " 4	70	81	51	202	119	323	325	204	121	2	....	....	....
	" ..... " 5	14	31	102	147	33	182	200	149	51	....	2	....	....

A. J. JOHNSTON, Returning Officer.

"	"	6	16	31	83	130	43	176	175	133	42	2	1	....	....
"	"	7 A	44	56	77	177	17	194	200	177	23	....	....	....	....
"	"	7 B	28	37	55	120	161	282	300	121	179	1	....	....	....
"	"	8	23	21	72	116	44	160	175	116	59	....	....	....	....
"	"	9	5	22	102	129	31	160	175	129	46	....	....	....	....
"	"	10	7	17	111	135	39	174	175	135	40	....	....	....	....
Pt. Edward Village	"	1	68	151	15	234	107	345	350	238	112	4	....	....	....
"	"	2	52	164	6	222	92	316	325	224	101	2	....	....	....
Petrolia Town	"	1	31	93	19	143	135	280	300	145	155	2	....	....	....
"	"	2	18	71	5	94	195	288	300	95	205	1	....	....	....
"	"	2 A	8	47	5	60	48	108	125	60	65	....	....	....	....
"	"	3	18	97	21	136	107	244	250	137	113	....	1	....	....
"	"	3 A	24	73	25	122	59	186	200	127	73	5	....	....	....
"	"	4	23	140	22	185	176	335	350	189	161	4	....	....	....
"	"	5	56	63	13	132	73	206	225	133	92	1	....	....	....
"	"	6	9	89	2	100	75	177	200	102	98	2	....	....	....
"	"	7	4	36	4	44	27	72	100	45	55	1	....	....	....
"	"	8	5	60	14	79	20	99	100	79	21	....	....	....	....
Oil Springs Village	"	1	29	85	26	140	61	201	200	140	60	....	....	....	....
"	"	2	19	44	15	78	34	112	125	78	47	....	....	....	....
Sarnia Township	"	1	4	45	96	145	64	209	200	146	54	1	....	....	....
"	"	2	11	40	108	159	71	230	225	159	66	....	....	....	....
"	"	3	5	34	101	140	83	223	225	140	85	....	....	....	....
"	"	4	9	94	62	165	62	228	225	166	59	1	....	....	....
"	"	5	14	19	25	58	58	116	125	58	67	....	....	....	....
"	"	6	33	93	32	158	166	325	325	159	166	1	....	....	....
"	"	7	9	42	9	60	37	99	100	62	38	1	1	....	....
Sarnia City, Ward 1	"	1 A	49	94	2	145	145	281	297	146	151	1	....	....	....
"	"	1 B	59	71	12	142	92	236	250	144	106	2	....	....	....
"	"	2	101	130	18	249	176	430	425	254	171	5	....	....	....
"	"	3 A	97	93	12	202	133	338	350	205	145	3	....	....	....
"	"	3 B	89	80	6	175	126	303	300	177	123	2	....	....	....
"	Ward 2	1 A	104	69	7	180	86	266	275	180	95	....	....	....	....
"	"	1 B	104	65	5	174	16	191	200	175	25	1	....	....	....
"	"	2 A	77	107	17	201	147	349	350	202	148	1	....	....	....
"	"	2 B	77	69	22	168	140	308	300	168	132	....	....	....	....
"	Ward 3	1	72	80	6	158	257	415	400	158	242	....	....	....	....
"	"	2 A	54	55	1	110	120	233	250	112	138	....	2	....	....
"	"	2 B	57	54	9	120	203	325	325	122	203	1	1	....	....
"	"	3 A	60	69	6	135	100	236	250	136	114	1	....	....	....
"	"	3 B	54	66	10	130	84	214	225	130	95	....	....	....	....
"	"	4 A	96	112	22	230	78	308	300	230	70	....	....	....	....
"	"	4 B	63	55	9	127	171	299	300	128	172	1	....	....	....
"	"	5 A	46	110	13	169	120	292	300	172	128	1	2	....	....
"	"	5 B	34	67	12	113	111	225	225	112	111	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Cook	Haney	Webster										
Lambton, West. —*Con.*.....	Sarnia City, Ward 4.....No. 1 A	100	98	13	211	49	260	275	211	64	....	....	....	....
	" ..... " 1 B	49	56	4	109	208	317	325	109	216	....	....	....	....
	" ..... " 2 A	52	67	16	135	140	275	275	135	140	....	....	....	....
	" ..... " 2 B	73	66	15	154	148	304	300	156	144	1	1	....	....
	" ..... " 3 A	48	123	12	183	134	319	325	185	140	2	....	....	....
	" ..... " 3 B	67	119	19	195	147	345	350	198	142	1	2	....	....
	" Ward 5..... " 1 A	78	118	9	205	129	334	325	205	120	....	....	....	....
	" ..... " 1 B	32	87	18	137	100	238	250	138	112	....	....	1	....
	" ..... " 2 A	36	99	11	146	139	286	275	147	128	1	....	....	....
	" ..... " 2 B	31	83	11	115	124	241	250	117	123	....	....	2	....
	" ..... " 3 A	41	86	16	143	98	241	250	143	107	....	....	....	....
	" ..... " 3 B	39	69	8	116	115	231	225	116	109	....	....	....	....
	" ..... " 4	27	54	8	89	119	208	200	89	111	....	....	....	....
	" Ward 6..... " 1	68	142	15	225	169	395	400	226	174	....	1	....	....
	" ..... " 2	42	137	5	184	222	408	400	186	214	2	....	....	....
	" ..... " 3	72	108	6	186	152	338	350	186	164	....	....	....	....
	Advance poll..... 1	17	32	1	50	..	..	150	..	100	....	....	....	....
	" 2	9	33	3	45	..	..	150	..	105	....	....	....	....
	Sombra Township..... " 1	41	47	97	185	109	294	300	185	115	....	....	....	....
	" ..... " 2	5	53	124	182	68	252	275	184	91	2	....	....	....
	" ..... " 3	33	57	60	150	152	303	325	151	174	1	....	....	....
	" ..... " 4	3	45	104	152	137	282	300	155	145	....	3	....	....
	" ..... " 5	6	24	63	93	84	177	200	93	107	....	....	....	....
	" ..... " 6	..	38	37	75	78	153	175	76	99	1	....	....	....
	" ..... " 7	2	12	47	61	50	112	125	62	63	1	....	....	....

	" ..... " 8	7	1	66	74	26	100	100	74	26	....	....	....	....
	" ..... " 9	5	6	62	73	27	100	100	73	27	....	....	....	....
	Walpole Island..... " 1	4	8	1	13	26	39	50	13	37	....	....	....	....
	Totals.....	3,179	6,022	3,903	13,104	8,708	21,912	23,225	13,205	10,020	76	18	7	....
	Majority or Haney.....		2,119											

W. H. Robertson,
Returning Officer.

			McCreary	Thompson									
Lanark, North...	Ramsay.....No. 1	98	80	179	65	244	240	179	61	1	....	....	....
	" ..... " 2	112	101	214	35	249	240	214	26	1	....	....	....
	" ..... " 3	52	77	130	63	359	380	296	84	1	....	....	....
	" ..... " 3 A	75	91	166									
	" ..... " 4	100	74	178	67	245	240	178	62	4	....	....	....
	Town of Almonte, Ward 1.. " 1	54	152	207	90	297	300	207	93	1	....	....	....
	" ..... " 2	34	114	152	184	438	440	297	143	5	....	....	....
	" ..... " 2 A	41	103	145									
	" ..... " 3	35	106	141	143	421	440	278	162	2	....	....	....
	" ..... " 3 A	40	95	137									
	" Ward 3.. " 1	29	79	108	54	162	160	108	52	....	....	....	....
	" " 1.. " 2	16	193	211	73	284	280	211	69	2	....	....	....
	Pakenham..... " 1	71	58	130	48	178	170	130	40	1	....	....	....
	" ..... " 2	76	46	123	43	166	160	123	37	1	....	....	....
	" ..... " 3	38	117	155	136	461	480	325	155	3	....	....	....
	" ..... " 3 A	65	102	167									
	" ..... " 4	75	48	123	37	160	160	123	37	....	....	....	....
	Lanark..... " 1	87	29	116	66	182	180	116	64	....	....	....	....
	" ..... " 2	181	19	200	95	295	290	201	89	....	1	....	....
	" ..... " 3	93	40	133	36	169	160	133	28	....	....	....	....
	" ..... " 4	28	18	46	51	97	100	46	54	....	....	....	....
	Beckwith..... " 1	43	89	133	58	191	190	133	57	1	....	....	....
	" ..... " 2	34	57	91	38	129	130	91	39	....	....	....	....
	" ..... " 3	166	58	225	73	298	300	225	75	1	..	....	....
	" ..... " 4	20	26	46	20	66	70	47	23	....	1	....	....
	" ..... " 5	89	16	106	33	139	140	106	34	1	....	....	....
	Village of Lanark..... " 1	52	46	98	253	456	410	207	203	....	4	....	....
	" ..... " 1 A	62	43	105									
	Dalhousie..... " 1	50	19	69	51	120	110	69	41	....	....	....	....
	" ..... " 2	93	31	124	136	260	250	124	126	....	....	....	....
	" ..... " 3	106	29	135	135	270	260	136	124	....	1	....	....
	Lavant..... " 1	33	45	78	49	127	110	78	32	....	....	....	....
	" ..... " 2	19	17	36	42	78	80	36	44	....	....	....	....
	Darling..... " 1	14	18	32	49	81	80	32	48	....	....	....	....
	" ..... " 2	52	23	75	69	144	140	75	64	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		McCreary	Thompson										
Lanark, North. —*Con*.....	Town of Carleton Place....No. 1	42	109	151	250	556	520	306	214	....	....	....	....
	" " .... " 1 A	42	113	155									
	" " .... " 2	67	90	158	176	481	480	306	174	1	1	....	....
	" " .... " 2 A	88	59	147									
	" " .... " 3	75	131	207	116	322	320	207	113	1	....	....	....
	" " .... " 4	55	108	163	209	562	560	355	205	1	1	....	....
	" " .... " 4 A	64	126	191									
	" " .... " 5	38	75	115	187	438	440	253	187	2	....	....	....
	" " .... " 5 A	35	103	138									
	" " .... " 6	69	164	233	155	388	380	233	147	....	....	....	....
	Advance Poll.....	.....	2	2	.....	.....	30	2	28	....	....	....	....
	Totals.....	2,808	3,339	6,177	3,306	9,483	9,420	6,186	3,234	30	9	....	....
	Majority for Thompson.....		531										
		Johnson	Stedman										
Lanark, South...	Bathurst.....No. 1	79	53	134	64	198	249	134	116	2	....	....	....
	" ..... " 1 A	89	36	125	73	198	225	125	100	....	....	....	....
	" ..... " 2	45	103	148	54	202	250	148	102	....	....	....	....
	" ..... " 3	99	67	166	83	249	300	166	134	....	....	....	....
	" ..... " 4	29	72	102	58	160	200	102	98	1	....	....	....
	" ..... " 4 A	46	39	86	70	156	201	86	115	1	....	....	....
	North Elmsley..... " 1	133	79	213	32	245	301	213	88	1	....	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Johnson	Stedman										
Lanark, South. —*Con*.....	Smith's Falls.....No. 8 A	29	45	74	80	154	199	74	125	....	....	....	....
	" ..... " 9	25	54	81	111	192	250	81	169	2	....	....	....
	" ..... " 9 A	36	69	105	102	207	250	105	145	....	....	....	....
	" ..... " 10	24	84	108	122	230	275	108	167	....	....	....	....
	" ..... " 10 A	27	95	122	98	220	250	122	128	....	....	....	....
	" Advance Poll.....	56	171	228	.....	.....	250	228	22	1	....	....	....
	Totals.....	2,891	3,874	6,798	4,816	11,38(	14,030	6,804	7,226	33	5	1	....
	Majority for Stedman.....		983										
		Beatty	Gray										
Leeds.....	Gananoque.....No. 1	17	154	173	63	236	250	173	77	2	....	....	....
	" ..... " 2 A	23	130	153	51	204	250	153	97	....	....	....	....
	" ..... " 2 B	21	90	113	110	223	250	113	137	2	....	....	....
	" ..... " 3 A	26	85	113	100	213	250	113	137	2	....	....	....
	" ..... " 3 B	16	71	87	127	214	250	87	163	....	....	....	....
	" ..... " 4 A	48	77	126	47	173	250	126	124	1	....	....	....
	" ..... " 4 B	41	104	147	30	177	250	152	98	1	4	1	....
	" ..... " 5 A	21	63	84	30	114	250	84	166	....	....	....	....
	" ..... " 5 B	18	85	103	41	144	250	103	147	....	....	....	....
	" ..... " 6 A	24	74	98	38	136	250	98	152	....	....	....	....
	" ..... " 6 B	26	58	84	60	144	250	84	166	....	....	....	....

GEO. F. JOHNSTON,
Returning Officer.

Front Leeds and Lansdowne—													
Leeds	No. 1	117	25	240	97	240	250	143	107	1	....	....	....
"	" 2	43	38	163	82	163	250	81	169	....	....	....	....
"	" 3 A	79	39	208	90	208	250	118	132	....	....	....	....
"	" 3 B	61	32	246	152	248	250	94	156	....	....	1	....
Lansdowne	" 4	65	37	142	40	142	250	102	148	....	....	....	....
"	" 5	47	46	145	51	145	250	95	155	1	1	....	....
"	" 6 A	52	108	190	28	190	250	162	88	2	....	....	....
"	" 6 B	38	115	176	23	176	250	153	97	....	....	....	....
"	" 7	53	67	180	60	180	275	120	155	....	....	....	....
Bastard and Burgess	" 1 A	20	123	144	35	179	275	144	131	1	....	....	....
" "	" 1 B	20	91	112	80	192	275	112	163	1	....	....	....
" "	" 2	46	86	132	84	216	250	132	118	....	....	....	....
" "	" 3 A	71	72	144	89	233	250	144	106	1	....	....	....
" "	" 4 A	40	41	83	138	221	275	83	192	1	....	1	....
" "	" 4 B	93	79	172	53	225	235	172	103	....	....	....	....
" "	" 5 A	67	41	108	101	209	275	108	167	....	1	....	....
" "	" 5 B	115	79	194	30	224	300	194	106	....	2	....	....
North Crosby	" 1	67	81	148	72	220	250	148	102	....	....	....	....
"	" 2	78	30	108	101	209	250	108	141	....	....	....	....
"	" 3	49	49	98	99	197	250	98	152	....	....	....	....
Newboro	" 1	43	129	174	46	220	275	174	101	2	....	....	....
Westport	" 1 A	44	109	153	47	200	250	153	97	....	....	....	....
"	" 1 B	60	88	149	47	196	250	149	101	1	....	....	....
Rear Leeds and Sanderson	" 1	110	112	223	174	397	500	224	276	....	1	1	....
" "	" 2	63	64	128	99	227	250	228	123	1	....	....	....
" "	" 3 A	42	50	92	141	233	250	92	158	....	....	....	....
" "	" 3 B	40	51	92	151	243	250	93	157	1	....	....	....
" "	" 4	71	89	161	65	226	250	161	89	....	....	....	....
" "	" 5	62	49	112	108	220	250	112	138	1	....	....	....
South Crosby	" 1 A	41	60	103	105	208	275	103	172	2	....	....	....
"	" 1 B	59	66	126	122	248	275	126	144	1	....	....	....
"	" 2 A	108	59	168	103	271	250	168	82	1	....	....	....
"	" 2 B	57	73	134	86	220	250	134	116	4	....	....	....
"	" 3	54	41	95	110	205	251	95	156	....	....	....	....
Young Front	" 1 A	67	48	115	108	223	250	115	135	....	....	....	....
"	" 1 B	65	65	130	98	228	250	130	120	....	....	....	....
"	" 2	77	73	150	75	225	250	150	100	....	....	....	....
"	" 3	75	65	141	100	241	250	141	109	1	....	....	....
Escott Front	" 1	65	68	133	120	253	275	133	142	....	....	....	....
"	" 2	53	76	130	83	213	250	131	119	1	1	....	....
"	" 3	53	74	127	110	237	250	128	122	....	1	....	....
Totals		2,811	3,779	6,627	4,300	10,926	13,552	6,637	6,915	32	11	5	....
Majority for Gray			968										

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Vrooman	Hambly										
Lennox	Napanee No. 1 A	100	69	169	61	231	250	170	80	1	....	....	....
	" " 1 B	53	48	101	127	230	250	103	147	....	2	....	....
	" " 2 A	120	62	182	90	276	300	186	114	3	1	....	....
	" " 2 B	105	64	169	62	234	250	172	77	....	3	....	....
	" " 3 A	97	76	173	115	291	300	176	124	2	1	....	....
	" " 3 B	67	46	113	68	182	200	114	86	1	....	....	....
	" " 4 A	144	89	233	48	285	300	237	63	3	1	....	....
	" " 4 B	68	60	128	65	194	200	129	71	1	....	....	....
	" " 5 A	116	85	201	25	228	250	203	47	2	....	....	....
	" " 5 B	65	47	112	40	156	175	116	59	3	....	1	....
	Richmond " 1	93	87	180	58	238	250	180	70	....	....	....	....
	" " 2	102	94	196	33	232	250	199	51	3	....	....	....
	" " 3 A	66	50	116	21	139	150	118	32	2	....	....	....
	" " 3 B	89	53	142	57	199	200	142	58	....	....	....	....
	" " 4	43	97	140	46	186	200	140	60	....	....	....	....
	" " 5 A	47	94	141	62	206	225	144	81	1	2	....	....
	" " 5 B	26	61	87	33	122	125	89	36	....	1	1	....
	Ernestown " 1	49	56	105	98	203	225	105	120	....	....	....	....
	" " 2 A	81	77	158	67	226	250	159	91	1	....	....	....
	" " 2 B	45	69	114	51	166	175	115	60	1	....	....	....
	" " 3 A	56	51	107	32	139	150	107	43	....	....	....	....
	" " 3 B	44	28	72	30	102	125	72	53	....	....	....	....
	" " 4	92	102	194	60	254	275	194	81	....	....	....	....
	" " 5 A	53	66	119	84	203	225	119	106	....	....	....	....
	" " 5 B	38	43	81	50	131	150	81	69	....	....	....	....

SCHUYLER FRENCH, Returning Officer.

	" ..... " 6 A	45		77	122	75	199	200	124	76	2	....	....	....
	" ..... " 6 B	18		27	45	139	84	100	45	55	....	....	....	....
	Amherst Island..... " 1 A	57		62	119	67	188	200	121	79	2	....	....	....
	" ..... " 1 B	20		28	48	31	79	100	48	52	....	....	....	....
	" ..... " 2	37		27	64	95	150	150	65	85	1	....	....	....
	Adolphustown..... " 1 A	76		64	140	33	174	175	141	34	1	....	....	....
	" ..... " 1 B	27		39	66	16	82	100	66	34	....	....	....	....
	" ..... " 2	35		21	56	26	85	100	59	41	....	1	2	....
	South Fredericksburg..... " 1 A	52		72	124	70	195	200	125	75	1	....	....	....
	" " ..... " 1 B	34		31	65	39	105	125	66	59	1	....	....	....
	" " ..... " 2 A	65		72	137	56	193	200	137	63	....	....	....	....
	" " ..... " 2 B	29		33	62	26	88	100	62	38	....	....	....	....
	North " ..... " 1	104		80	184	45	231	250	186	64	2	....	....	....
	" " ..... " 2 A	60		67	127	74	203	225	129	96	2	....	....	....
	" " ..... " 2 B	49		18	67	22	89	100	67	33	....	....	....	....
	" " ..... " 3 A	82		87	169	91	262	275	171	104	2	....	....	....
	" " ..... " 3 B	57		55	112	58	173	175	115	60	3	....	....	....
	Bath..... " 1	61		101	162	49	213	225	164	61	....	1	1	....
	Totals.....	2,767		2,635	5,402	2,385	7,846	8,450	5,461	2,988	41	13	5	....
	Majority for Vrooman.....	132												
		Allan	Kemp	Marshall										
Lincoln.....	Louth.....No. 1 A	19	29	25	73	92	165	175	73	102	....	....	....	....
	" ..... " 1 B	13	38	20	71	90	161	175	71	104	....	....	....	....
	" ..... " 2 A	7	31	17	55	88	143	150	55	95	....	....	....	....
	" ..... " 2 B	12	32	8	52	82	134	135	52	83	....	....	....	....
	" ..... " 3 A	59	58	13	130	119	249	263	130	133	....	....	....	....
	" ..... " 3 B	39	34	18	91	95	186	195	91	104	....	....	....	....
	" ..... " 4	37	39	23	99	133	232	233	99	133	....	1	....	....
	" ..... " 5 A	12	35	20	67	113	180	185	67	117	....	....	1	....
	" ..... " 5 B	11	17	22	50	99	149	155	50	104	....	....	1	....
	Clinton..... " 6 A	42	53	21	116	148	264	275	116	158	1	....	....	....
	" ..... " 6 B	43	53	25	121	127	248	255	121	132	....	2	....	....
	" ..... " 7 A	13	60	28	101	83	184	200	101	99	....	....	....	....
	" ..... " 7 B	11	54	28	93	80	173	200	93	106	....	....	1	....
	" ..... " 8	23	72	29	124	145	269	276	124	151	1	....	....	....
	" ..... " 9 A	71	75	21	167	135	302	316	167	148	1	....	....	....
	" ..... " 9 B	85	71	24	180	126	306	317	180	136	1	....	....	....
	Beamsville..... " 10 A	49	29	70	148	91	239	250	148	101	1	....	....	....
	" ..... " 10 B	46	23	55	124	57	181	195	124	70	1	....	....	....
	" ..... " 11 A	42	21	50	113	63	176	185	113	71	1	....	....	....
	" ..... " 11 B	50	21	47	118	65	183	190	118	69	2	1	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Allan	Kemp	Marshall										
Lincoln.—*Con.*...	North Grimsby.....No. 12 A	66	15	41	122	75	177	202	122	80	....	....	....	....
	" ..... " 12 B	66	21	36	123	64	187	200	123	77	....	....	....	....
	" ..... " 12 C	69	14	38	121	96	217	227	121	106	....	....	....	....
	" ..... " 13 A	61	6	40	107	65	172	184	107	76	1	....	....	....
	" ..... " 13 B	53	12	37	102	73	175	182	102	80	....	....	....	....
	" ..... " 14	38	91	31	160	72	232	240	160	76	1	3	....	....
	" ..... " 15	38	66	17	121	60	181	186	121	61	4	....	....	....
	Grimsby..... " 16 A	65	8	29	102	110	212	214	102	109	1	2	....	....
	" ..... " 16 B	43	8	34	85	112	197	200	85	114	1	....	....	....
	" ..... " 17 A	72	6	54	132	133	265	276	132	141	3	....	....	....
	" ..... " 17 B	74	7	53	134	94	228	236	134	102	....	....	....	....
	" ..... " 18 A	83	13	69	165	118	283	286	165	120	1	....	....	....
	" ..... " 18 B	72	9	53	134	127	261	270	134	135	1	....	....	....
	South Grimsby..... " 19 A	39	44	88	171	103	247	252	171	80	1	....	....	....
	" ..... " 19 B	32	34	85	151	63	214	224	151	69	....	2	2	....
	" ..... " 20	29	59	32	120	78	198	200	120	79	1	....	....	....
	" ..... " 21	10	66	37	113	88	201	205	113	91	1	....	....	....
	Gainsboro..... " 22 A	19	47	32	98	50	148	153	98	53	1	1	....	....
	" ..... " 22 B	34	30	11	75	27	102	210	75	134	1	....	....	....
	" ..... " 23	12	61	50	123	47	170	176	123	51	1	1	....	....
	" ..... " 24	21	55	31	107	40	147	153	107	45	1	....	....	....
	" ..... " 25	37	45	65	147	36	183	186	147	39	....	....	....	....
	" ..... " 26	19	56	31	106	30	136	140	106	34	....	....	....	....
	" ..... " 27	13	46	36	95	40	135	142	95	47	....	....	....	....
	" ..... " 28	17	57	56	130	42	172	177	130	47	....	....	....	....
	Caistor..... " 29	12	48	20	80	39	119	125	80	45	....	....	....	....

GEORGE GREVES PATTERSON, Returning Officer.

	"	" 30	14	35	53	102	113	215	220	102	117	1	....	....	....
	"	" 31	28	66	16	110	59	169	176	110	66	....	....	....	....
	"	" 32	30	45	28	103	64	167	175	103	72	....	....	....	....
	"	" 33	13	19	41	73	26	99	105	73	32	....	....	....	....
	Pelham	" 34	27	67	22	116	68	184	191	116	72	3	....	....	....
	"	" 35	7	23	42	72	112	184	190	72	117	1	....	....	....
	"	" 36 A	19	26	47	92	53	145	150	92	58	....	....	....	....
	"	" 36 B	19	32	39	90	55	145	151	90	60	....	1	....	....
	"	" 37	7	73	58	138	62	200	210	138	70	1	1	....	....
	"	" 38	8	33	13	54	42	96	100	54	44	2	....	....	....
	"	" 39 A	15	22	75	112	88	200	210	112	98	....	....	....	....
	"	" 39 B	22	43	73	138	90	228	238	138	100	....	....	....	....
	"	" 40	19	55	51	125	39	164	175	125	50	....	....	....	....
	"	" 41	16	22	21	59	30	89	100	59	40	1	....	....	....
	Fonthill	" 42	35	30	68	133	101	234	246	133	109	3	1	....	....
	Totals		2,057	2,360	2,317	6,734	4,888	11,622	12,208	6,734	5,412	41	16	5	....
	Majority for Kemp			43											

S. BAKER, Returning Officer.

			Armstrong	Beck	Donahue	Stevenson									
London, City of..	Division	No. 1	7	37	13	16	74	109	183	183	73	109	1	....	....	....
	"	" 2	10	70	9	10	102	74	176	176	99	74	3	....	....	....
	"	" 3–4	7	45	5	5	64	104	168	168	62	104	2	....	....	....
	"	" 5–6	7	66	6	7	88	139	227	227	86	139	1	1	....	....
	"	" 7	21	94	31	31	178	271	449	449	177	271	1	....	....	....
	"	" 8	7	105	21	18	157	227	384	384	151	227	3	....	3	....
	"	" 9	11	91	38	33	175	183	358	358	173	183	1	....	1	....
	"	" 10	23	98	27	37	192	133	325	325	185	133	6	1	....	....
	"	" 11	7	89	19	31	150	168	347	318	146	197	4	....	....	....
	"	" 12	16	121	10	12	163	293	456	456	159	293	....	3	1	....
	"	" 13	47	156	4	22	231	164	395	395	229	164	2	....	....	....
	"	" 14	37	150	14	21	226	251	477	477	222	251	4	....	....	....
	"	" 15	35	131	8	42	218	294	512	512	216	294	2	....	....	....
	"	" 16	35	101	7	22	168	215	383	383	165	215	3	....	....	....
	"	" 17	57	144	11	14	230	171	401	401	226	171	4	....	....	....
	"	" 18	20	144	18	19	206	274	480	480	201	274	5	....	....	....
	"	" 19	28	85	7	16	139	206	345	345	136	206	3	....	....	....
	"	" 20	58	138	4	21	224	176	400	400	221	176	3	....	....	....
	"	" 21	36	117	7	26	188	233	421	421	186	241	2	....	....	....
	"	" 22	38	151	9	34	234	211	445	445	232	211	2	....	....	....
	"	" 23	41	179	12	20	257	137	394	394	252	137	5	....	....	....
	"	" 24	30	87	12	12	143	164	307	307	141	164	....	2	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.				Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
						Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Arm-strong	Beck	Dona-hue	Steven-son										
London, City of. —*Con.*	Division No. 25	31	76	7	8	127	168	295	295	122	168	5	....	....	....
	" " 26	7	54	6	8	78	111	189	189	75	111	2	1	....	....
	" " 27	11	44	20	6	82	136	218	218	81	136	1	....	....	....
	" " 28	5	59	7	5	76	123	199	199	76	123	....	....	....	....
	" " 29	15	53	5	4	79	98	177	177	77	98	1	1	....	....
	" " 30 A	12	80	16	6	116	188	304	304	114	188	....	....	2	....
	" " 30 B	7	68	17	17	113	187	300	300	109	187	....	....	4	....
	" " 31	26	143	17	22	216	259	475	475	208	259	2	....	4	2
	" " 32	43	161	8	7	222	204	426	426	219	204	3	....	....	....
	" " 33	27	118	39	16	203	178	381	381	200	178	3	....	....	....
	" " 34	17	160	13	14	207	242	449	449	204	242	1	....	2	....
	" " 35	31	166	8	18	225	193	418	418	223	193	2	....	....	....
	" " 36	31	147	16	19	216	173	389	389	213	173	1	....	2	....
	" " 37	16	142	20	27	207	246	453	453	205	246	2	....	....	....
	" " 38 A	12	99	29	19	162	121	283	283	159	121	3	....	....	....
	" " 38 B	4	57	15	11	89	213	302	302	87	213	2	....	....	....
	" " 39	9	130	21	27	196	247	443	443	187	247	9	....	....	....
	" " 40	10	104	10	38	171	214	385	385	162	214	9	....	....	....
	" " 41	7	102	22	39	176	175	351	351	170	175	6	....	....	....
	" " 42	23	110	9	18	166	244	410	410	160	244	5	1	....	....
	" " 43	41	171	21	26	263	235	498	498	259	235	3	1	....	....
	" " 44 A	20	101	20	22	167	94	261	261	163	94	3	1	....	....
	" " 44 B	12	81	7	16	121	158	279	279	116	158	2	1	2	....
	" " 45	21	120	18	25	190	255	445	445	184	255	6	....	....	....

" ..... " 46	19	116	10	53	205	207	412	412	198	207	7	....	....	....
" ..... " 47	11	87	23	66	189	245	434	434	187	245	....	1	1	....
" ..... " 50	14	113	21	38	197	297	494	494	186	297	11	....	....	....
" ..... " 51	19	134	19	30	207	267	474	474	202	267	5	....	....	....
" ..... " 52	12	104	26	43	192	302	494	494	185	302	4	3	....	....
" ..... " 53	8	73	17	69	176	245	421	421	167	245	9	....	....	....
" ..... " 54	19	176	17	33	246	281	527	527	245	281	....	....	1	....
" ..... " 55	13	143	15	47	219	204	423	423	218	204	1	....	....	....
" ..... " 56 A	15	103	13	27	165	131	296	296	158	131	6	1	....	....
" ..... " 56 B	2	59	3	15	80	190	270	270	79	190	1	....	....	....
" ..... " 57	8	94	32	27	169	241	410	410	161	241	7	1	....	....
" ..... " 58	7	141	26	60	237	283	520	520	234	283	3	....	....	....
" ..... " 59	18	134	11	45	211	169	380	380	208	169	3	....	....	....
" ..... " 60	12	93	11	49	169	196	365	365	165	196	4	....	....	....
" ..... " 61	15	126	17	49	212	220	432	432	207	220	5	....	....	....
" ..... " 66	35	117	5	9	169	168	337	337	166	168	2	1	....	....
" ..... " 67	29	89	7	15	144	169	313	313	140	169	4	....	....	....
" ..... " 68	32	138	8	22	203	266	469	469	200	266	3	....	....	....
" ..... " 69 A	20	85	3	9	119	134	253	253	117	134	2	....	....	....
" ..... " 69 B	30	85	2	13	133	140	273	273	130	140	3	....	....	....
" ..... " 70	22	103	14	40	182	242	424	424	179	242	1	....	2	....
" ..... " 71	15	108	10	37	171	231	402	402	170	231	1	....	....	....
" ..... " 72	24	158	9	46	242	271	513	513	237	271	4	1	....	....
" ..... " 73	18	84	8	61	172	206	378	378	171	206	1	....	....	....
" ..... " 74	16	122	31	64	235	273	508	508	233	273	1	....	1	....
" ..... " 75	41	176	8	23	252	208	460	460	248	208	1	....	3	....
" ..... " 76	31	203	12	16	268	267	535	535	262	267	6	....	....	....
" ..... " 77	28	132	15	26	204	231	435	435	201	231	3	....	....	....
" ..... " 78 A	16	113	16	17	164	116	280	280	162	116	2	....	....	....
" ..... " 78 B	11	62	13	15	104	191	295	295	101	191	3	....	....	....
" ..... " 79	6	121	27	54	212	281	493	493	208	281	4	....	....	....
" ..... " 80	21	114	8	68	218	249	467	467	211	249	7	....	....	....
" ..... " 81	30	174	15	12	237	237	474	474	231	237	6	....	....	....
" ..... " 82	34	123	12	17	192	230	422	422	186	230	6	....	....	....
" ..... " 83	11	118	18	13	161	260	421	421	160	260	....	1	....	....
" ..... " 84	46	147	7	23	229	190	419	419	223	190	6	....	....	....
" ..... " 85	42	131	10	27	211	279	490	490	210	279	1	....	....	....
" ..... " 86	45	184	9	18	258	230	488	488	256	230	2	....	....	....
" ..... " 87	23	156	17	33	241	251	492	492	229	251	3	2	7	....
" ..... " 88	15	137	22	17	195	194	389	389	191	194	4	....	....	....
Railway Poll.....	2	44	13	21	80	421	501	501	80	421	....	....	....	....
Totals.....	1,851	9,865	1,243	2,254	15,545	18,072	33,617	33,617	15,213	18,072	270	24	36	2
Majority for Beck.....		7,611												

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

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		Bowman	Smith										
Manitoulin.....	Gore Bay.....No. 1 A	80	160	240	86	417	250	240	7	3	....	....	....
" ..... " 1 B	49	42	91			200	91	108	....	1	....	....	
	Little Current..... " 2 A	96	146	242	166	548	300	242	55	3	....	....	....
" ..... " 2 B	59	81	140			300	140	159	....	1	....	....	
	Cockburn Island..... " 3	19	34	53	40	93	100	53	47	....	....	....	....
	Gordon Tp..... " 4 A	96	57	153	79	315	175	153	21	1	....	....	....
" ..... " 4 B	48	35	83			175	83	90	2	....	....	....	
	Burpee Tp..... " 5	66	43	109	37	146	175	109	65	....	1	....	....
	Nairn Tp..... " 6	11	53	64	95	159	177	64	113	....	....	....	....
	Billings Tp..... " 7	38	65	103	51	232	150	103	45	2	....	....	....
" ..... " 8	55	23	78			150	78	22	....	....	....	....	
	Howland Tp..... " 9	98	76	174			176	174		2	....	....	....
" ..... " 10	25	21	46	107	382	150	46	104	....	....	....	....	
" ..... " 11	30	25	55			100	55	44	1	....	....	....	
	Carnarvon Tp..... " 12	104	51	155	167	475	251	155	96	....	....	....	....
" ..... " 13	87	66	153			252	153	98	1	....	....	....	
	Sanfield Tp..... " 14	29	4	33	47	135	75	33	42	....	....	....	....
" ..... " 15	54	1	55			76	55	21	....	....	....	....	
	Tehkummah Tp..... " 16	65	50	115	65	245	152	115	37	....	....	....	....
" ..... " 17	21	44	65			151	65	86	....	....	....	....	
	Assiginack Tp..... " 18	90	63	153			250	153	94	1	2	....	....
" ..... " 19	104	62	166	222	605	249	166	83	....	....	....	....	
" ..... " 20	23	41	64			126	64	61	1	....	....	....	
	McGregor..... " 21	3	5	8	11	19	25	8	17	....	....	....	....
	Dawson Tp..... " 22	32	30	62	25	87	100	62	38	....	....	....	....

WM. STRAIN,
Returning Officer.

	Robinson Tp.	" 23	73	33	106	28	134	151	106	42	2	1	....	....
	Mills Tp.	" 24	51	30	81	26	107	125	81	43	1	....	....	....
	Barrie Island	" 25	50	23	73	8	81	100	73	27	....	....	....	....
	Campbell Tp.	" 26	54	13	67	63	290	100	67	33	....	....	....	....
	"	" 27	119	41	160			200	160	39	....	1	....	....
	Killarney	" 28	72	19	91	2	93	100	91	7	2	....	....	....
	Killarney Quarries	" 29	3	16	19	2	21	25	19	6	....	....	....	....
	Collins Inlet	" 30	6	11	17	37	54	74	17	57	....	....	....	....
	White	" 31	19	17	36	13	49	75	36	39	....	....	....	....
	Espanola	" 32 A	147	52	199	558	1,118	402	199	189	6	8	....	....
	"	" 32 B	152	51	203			399	203	187	7	2	....	....
	"	" 32 C	109	49	158			403	158	243	1	1	....	....
	Allan Tp.	" 33	18	21	39	23	62	75	39	36	....	....	....	....
	Louise Tp.	" 34	10	9	19	56	75	99	19	80	....	....	....	....
	Espanola Station Tp.	" 35	54	62	116	27	143	151	116	34	....	1	....	....
	Hockins' Mill	" 36	52	27	79	33	112	125	79	43	1	2	....	....
	Wikwemikong	" 37	..	7	7	16	23	25	7	17	1	....	....	....
	Hyman Tp.	" 38	9	7	16	21	37	52	16	34	2	....	....	....
	Lorne Tp.	" 39	27	3	30	35	65	75	30	45	....	....	....	....
	Totals		2,407	1,769	4,176	2,146	6,322	6,991	4,176	2,754	40	21	....	....
	Majority for Bowman		638											

			Boyes	Chappel	Freeborn									
Middlesex, East..	London Tp.	No. 1	28	2	42	72	100	172	175	72	103	....	....	....	....
	"	A to L " 1	74	24	9	107	87	197	200	110	90	1	2	....	....
	"	M to Z " 1 B	66	24	5	95	98	197	200	99	101	4	....	....	....
	"	" 2	57	10	67	134	133	268	275	135	140	1	....	....	....
	"	" 3	34	2	65	101	54	159	175	105	70	4	....	....	....
	"	" 4	90	9	158	257	85	343	350	258	92	....	1	....	....
	"	" 5	83	29	73	185	43	233	250	190	60	5	....	....	....
	"	" 6	41	5	28	74	109	183	200	74	126	....	....	....	....
	"	" 7	63	30	38	131	114	250	250	136	114	4	1	....	....
	"	" 8	33	..	59	92	78	172	175	94	81	1	....	1	....
	"	" 9	43	2	50	95	99	194	200	95	105	....	....	....	....
	"	" 10	85	3	74	162	76	239	250	163	87	1	....	....	....
	"	" 11	61	4	76	141	37	179	200	142	58	1	....	....	....
	"	" 12	41	1	78	120	51	173	175	122	53	1	1	....	....
	"	" 13	71	2	78	151	124	276	275	152	123	1	....	....	....
	"	" 14	45	2	132	179	61	290	250	179	71	....	....	....	....
	"	" 15	42	4	14	60	122	184	199	62	137	2	....	....	....
	"	" 16	25	2	15	42	74	117	126	43	83	....	....	1	....
	"	" 17	129	17	34	180	172	353	350	181	169	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Middlesex, East. —*Con*.....	London Tp.....No. 18	Boyes 29	Chappel 7	Freeborn 14	50	98	150	151	52	99	2	....	....	....
	West Nissouri Tp..... " 1	36	2	90	128	57	186	200	129	71	....	1	....	....
	" ..... " 2	130	17	65	212	125	341	350	216	134	3	1	....	....
	" ..... " 3	85	2	60	147	52	200	200	148	52	1	....	....	....
	" ..... " 4	27	2	72	101	36	137	150	101	49	....	....	....	....
	" ..... " 5	15	2	53	70	38	110	125	72	53	....	1	1	....
	" ..... " 6	24	9	59	92	80	172	175	92	83	....	....	....	....
	" ..... " 7	21	3	65	89	107	196	200	89	111	....	....	....	....
	" ..... " 8	21	3	88	112	68	180	200	112	88	....	....	....	....
	North Dorchester Tp..... " 1	11	..	73	84	45	129	150	84	66	....	....	....	....
	" ..... " 2	22	..	53	75	25	100	100	75	25	....	....	....	....
	" ..... " 3	80	7	116	203	114	319	325	205	120	....	2	....	....
	" ..... " 4	36	2	61	99	65	165	175	100	75	1	....	....	....
	" ..... " 5	60	2	91	153	109	264	275	155	120	1	1	....	....
	" ..... " 6	25	11	98	134	65	199	200	134	66	....	....	....	....
	" ..... " 7	61	2	108	171	84	255	275	171	104	....	....	....	....
	" ..... " 8	64	2	85	151	59	210	225	151	74	....	....	....	....
	" ..... " 9	25	8	107	140	75	216	225	141	84	1	....	....	....
	Westminster Tp..... " 1	50	4	118	172	94	270	275	176	99	3	....	1	....
	" ..... " 2	15	2	150	167	248	416	400	168	232	1	....	....	....
	" ..... " 3	24	5	83	112	43	157	175	114	61	....	1	1	....
	" ..... " 4	9	3	98	110	114	224	225	110	115	....	....	....	....
	" ..... " 5	6	3	51	60	106	167	175	61	114	....	....	1	....
	" ..... " 6	114	22	53	189	167	358	350	191	159	2	....	....	....
	" ....A to L " 7	38	3	72	113	118	231	249	113	136	....	....	....	....

GEORGE BOGUE, Returning Officer.

	" ....M to Z " 7	40	3	64	107	124	231	225	107	118	....	....	....	....
	" ..... " 8	47	3	139	189	86	276	275	190	85	....	....	1	....
	" ..... " 9	27	8	80	115	157	273	275	116	159	1	....	....	....
	" ..... " 10	75	18	19	112	193	306	300	113	187	....	....	1	....
	" ....A to L " 11	54	16	15	85	205	292	300	87	213	2	....	....	....
	" ....M to Z " 11	55	33	33	121	172	293	300	121	179	....	....	....	....
	" ..... " 12	32	3	1	36	92	128	125	36	89	....	....	....	....
	London Annex..... " 48	47	51	25	123	226	351	350	125	225	2	....	....	....
	" ..... " 49	97	50	30	177	229	408	400	179	221	....	2	....	....
	" ..... " 62	135	65	17	217	135	354	350	219	131	2	....	....	....
	" ..... " 63 A	59	17	2	78	210	289	300	79	221	....	1	....	....
	" ..... " 63 B	65	12	10	87	202	289	300	87	213	....	....	....	....
	" ..... " 64	76	42	14	132	219	353	350	134	216	2	....	....	....
	" ..... " 65	69	49	9	127	264	394	400	130	270	....	....	3	....
	" ..... " 89	85	21	13	119	243	363	375	120	255	1	....	....	....
	" ..... " 90	89	25	19	133	231	367	375	136	239	1	1	1	....
	Totals.....	3,191	711	3,568	7,470	14,472	.....	14,825	7,551	7,274	53	16	12	....
	Majority for Freeborn.....			377										

PHINEAS DICKINS, Returning Officer.

			Currie	Elliott										
Middlesex, North.	Metcalfe.....No. 1	36	21	57	43	70	100	57	43	....	....	....	....
	" ..... " 2	47	23	70	30	100	125	70	55	....	....	....	....
	" ..... " 3	35	24	59	24	83	125	59	65	....	....	1	....
	" ..... " 4	49	36	85	31	116	125	85	39	....	1	....	....
	" ..... " 5	45	23	68	42	110	125	68	57	....	....	....	....
	" ..... " 6	61	11	72	15	87	100	72	28	....	....	....	....
	" ..... " 7	58	8	66	37	103	150	66	84	....	....	....	....
	" ..... " 8	35	23	58	19	77	100	58	41	1	....	....	....
	Strathroy..... " 1	54	188	242	130	372	400	242	157	1	....	....	....
	" ..... " 2	71	58	129	61	190	225	129	96	....	....	....	....
	" ..... " 3	53	203	256	127	383	400	256	141	3	....	....	....
	" ..... " 4	42	156	198	118	316	375	198	175	....	2	....	....
	" ..... " 5	30	176	206	113	319	350	206	142	2	....	....	....
	" ..... " 6	55	169	224	86	310	350	224	124	2	....	....	....
	Adelaide..... " 1	102	22	124	72	196	225	124	100	....	....	1	....
	" ..... " 2	51	18	69	12	81	125	69	56	....	....	....	....
	" ..... " 3	122	34	156	57	213	250	156	91	1	....	2	....
	" ..... " 4	163	23	186	91	277	325	186	138	....	....	1	....
	" ..... " 5	56	6	62	41	103	125	62	62	1	....	....	....
	" ..... " 6	11	42	53	17	70	125	53	72	....	....	....	....
	" ..... " 7	46	23	69	27	96	125	69	55	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Currie	Elliott										
Middlesex, North. —*Con*.....	West Williams.....No. 1	25	33	58	27	85	100	58	42	....	....	....	....
	" ..... " 2	68	24	102	52	154	175	102	72	1	....	....	....
	" ..... " 3	66	88	154	69	223	250	154	94	....	2	....	....
	" ..... " 4	82	67	149	64	213	225	149	76	....	....	....	....
	East Williams..... " 1	88	40	128	97	225	250	128	121	1	....	....	....
	" ..... " 2	116	31	147	89	236	250	147	99	3	1	....	....
	" ..... " 3	116	50	166	120	286	300	166	133	1	....	....	....
	Lucan..... " 1	37	155	192	46	238	250	192	58	....	....	....	....
	" ..... " 2	31	141	172	51	223	225	172	52	1	....	....	....
	Ailsa Craig..... " 1	77	178	255	126	381	400	255	141	4	....	....	....
	Parkhill..... " 1	17	160	177	68	245	275	177	97	....	1	....	....
	" ..... " 2	22	148	170	79	249	275	170	105	....	....	....	....
	" ..... " 3	38	189	227	113	340	375	227	143	5	....	....	....
	McGillivray..... " 1	79	46	125	48	173	200	125	74	....	1	....	....
	" ..... " 2	105	36	141	98	239	275	141	133	....	....	1	....
	" ..... " 3	75	82	157	86	243	300	157	143	....	....	....	....
	" ..... " 4	90	15	105	63	168	175	105	70	....	....	....	....
	" ..... " 5	87	53	140	110	250	275	140	135	....	....	....	....
	" ..... " 6	71	41	112	166	278	300	112	188	....	....	....	....
	" ..... " 7	83	49	132	83	215	250	132	118	....	....	....	....
	Biddulph..... " 1	76	68	144	72	216	250	144	105	1	....	....	....
	" ..... " 2	87	63	150	42	192	250	150	100	....	....	....	....
	" ..... " 3	50	46	96	28	124	175	96	78	....	....	....	....
	" ..... " 4	87	57	144	74	218	250	144	104	....	2	....	....

	" ..... "	5	35	43	78	.....	388	175	.....	98	....	....	.....	....
	" ..... "	5	71	119	190	120	.....	275	268	82	2	1	....	....
	Totals		3,001	3,319	6,320	3,154	9,474	10,850	6,320	4,482	31	11	6	....
	Majority for Elliott			318										
				Lethbridge	McFie									
Middlesex, West..	Caradoc ..... No.	1	54	130	185	118	303	361	185	176	1	....	.....	....
	" ..... "	2	112	98	211	58	269	300	211	89	1	....	.....	....
	" ..... "	3	96	191	289	186	475	500	289	211	2	....	.....	....
	" ..... "	4	170	35	207	71	278	301	207	94	1	1	.....	....
	" ..... "	5	113	28	141	64	205	250	141	109	....	....	.....	....
	" ..... "	6	108	41	152	105	257	300	152	148	2	1	.....	....
	" ..... "	7	66	56	122	128	250	300	122	178	....	....	.....	....
	Delaware ..... "	1	58	67	128	91	219	241	128	113	3	....	.....	....
	" ..... "	2	46	113	159	109	268	300	159	141	....	....	.....	....
	" ..... "	3	109	7	119	49	168	200	119	81	3	....	.....	....
	" ..... "	4	69	11	81	43	124	150	81	69	1	....	.....	....
	Ekfrid ..... "	1	49	50	99	59	158	200	99	101	....	....	.....	....
	" ..... "	2	60	56	116	25	141	150	116	34	....	....	.....	....
	" ..... "	3	100	76	178	70	248	275	178	97	2	....	.....	....
	" ..... "	4	43	78	121	37	158	175	121	54	....	....	.....	....
	" ..... "	5	83	39	125	47	172	200	125	75	3	....	.....	....
	" ..... "	6	78	173	253	49	302	325	254	71	2	1	.....	....
	" ..... "	7	75	65	140	31	171	200	140	60	....	....	.....	....
	Mosa ..... "	1	23	30	53	41	94	125	53	72	....	....	.....	....
	" ..... "	2	22	31	56	64	120	150	56	94	2	....	1	....
	" ..... "	3	59	21	80	44	124	150	80	70	....	....	.....	....
	" ..... "	4	80	51	131	38	169	200	131	69	....	....	.....	....
	" ..... "	5	72	93	165	56	221	249	165	84	....	....	.....	....
	" ..... "	6	41	27	69	25	94	125	69	56	....	....	.....	....
	" ..... "	7	65	16	81	59	140	175	81	94	....	....	.....	....
	" ..... "	8	44	38	82	45	127	150	82	68	....	....	.....	....
	Lobo ..... "	1	107	86	194	71	265	300	194	106	1	....	.....	....
	" ..... "	2	92	116	208	148	356	400	208	192	....	....	.....	....
	" ..... "	3	110	79	191	113	304	325	191	134	2	....	.....	....
	" ..... "	4	178	55	235	82	317	325	235	90	2	....	.....	....
	" ..... "	5	106	28	135	66	201	225	135	90	....	....	1	....
	Glencoe ..... "	1	59	156	216	68	284	300	216	84	1	....	.....	....
	" ..... "	2	42	137	179	94	273	300	179	121	....	....	.....	....
	Wardsville		25	50	77	77	154	200	77	123	2	....	.....	....

Wm. Gallagher,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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Middlesex, West. —*Con*.....		Lethbridge	McFie										
	Newbury.....	21	85	107	102	209	226	107	119	1	....	....	....
	Indian Reserve.....	7	23	30	54	84	100	30	70	....	....	....	....
	Totals.....	2,642	2,436	5,115	2,587	7,702	8,753	5,416	3,337	32	3	2	....
	Majority for Lethbridge.....	206											
				Ecclestone	Rice								
Muskoka.....	Bala.....No. 1	77	42	119	.....	.....	200	120	80	1	....	....	....
	Bracebridge..... " 2	75	14	89	.....	.....	150	90	60	....	....	1	....
	" ..... " 3	70	10	80	.....	.....	250	80	170	....	....	....	....
	" ..... " 4	107	29	136	.....	.....	225	138	87	2	....	....	....
	" ..... " 5	101	38	139	.....	.....	225	140	85	....	....	1	....
	" ..... " 6	83	25	108	.....	.....	250	110	140	2	....	....	....
	" ..... " 7	57	24	81	.....	.....	150	82	68	....	1	....	....
	" ..... " 8	110	9	119	.....	.....	250	119	131	....	....	....	....
	" ..... " 9	88	20	108	.....	.....	250	108	142	....	....	....	....
	Brunel..... " 10	60	39	99	.....	.....	200	99	101	....	....	....	....
	" ..... " 11	56	37	93	.....	.....	200	93	107	....	....	....	....
	Cardwell..... " 12	57	29	86	.....	.....	150	86	64	....	....	....	....
	" ..... " 13	18	4	22	.....	.....	50	22	28	....	....	....	....
	Chaffey..... " 14	66	54	120	.....	.....	200	121	79	....	....	1	....
	" ..... " 15	60	78	138	.....	.....	225	140	85	....	1	1	....
	" ..... " 16	24	23	47	.....	.....	125	47	78	....	....	....	....

JOHN SHEA,
Returning Officer.

Draper	"	17	64	13	77			200	77	123							
"	"	18	45	14	59			200	59	141							
"	"	19	49	18	67			150	67	83							
Gravenhurst	"	20	93	73	166			325	169	156	2	1					
"	"	21	108	49	157			300	159	141		2					
"	"	22	72	54	126			250	129	121	1	2					
"	"	23	98	30	128			275	133	142	5						
"	"	24	33	11	44			100	44	56							
Huntsville	"	25	75	101	176			300	177	123	1						
"	"	26	49	118	167			275	169	106			2				
"	"	27	79	112	191			300	192	108	1						
"	"	28	58	49	107			200	111	89	4						
"	"	29	51	50	101			175	103	72	2						
"	"	30	62	61	123			250	126	124	1	2					
"	"	31	65	41	106			200	110	90	4						
Macauley	"	32	127	28	155			225	156	69		1					
"	"	33	42	21	63			125	63	62							
McLean	"	34	80	68	148			275	150	125	2						
Medora and Wood	"	35	26	9	35			125	35	90							
"	"	36	13	3	16			50	16	34							
"	"	37	33	19	52			125	53	72		1					
"	"	38	34	15	49			75	49	26							
"	"	39	21	..	21			50	21	29							
"	"	40	22	19	41			100	41	59							
"	"	41	24	8	32			100	34	66			2				
"	"	42	9	5	14			100	14	86							
Monck	"	43	34	22	56			100	56	44							
"	"	44	16	22	38			75	38	37							
"	"	45	49	26	75			225	77	148	2						
"	"	46	81	30	111			200	113	87	2						
"	"	47	37	2	39			75	39	36							
Morrison	"	48	62	21	83			225	83	142							
"	"	49	64	23	87			225	88	137	1						
Muskoka	"	50	30	17	47			100	47	53							
"	"	51	15	6	21			75	21	54							
"	"	52	18	7	25			75	25	50							
"	"	53	33	19	52			100	52	48							
Oakley	"	54	16	1	17			25	17	8							
"	"	55	42	17	59			75	61	14		2					
Port Carling	"	56	65	26	91			150	94	56		3					
"	"	57	79	19	98			125	99	26		1					
Ridout	"	58	44	16	60			125	60	65							
Ryde	"	59	51	9	60			125	61	64		1					
"	"	60	27	17	44			125	45	80	1						
Stephenson	"	61	113	53	166			275	171	104	4	1					

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Ecclestone	Rice										
Muskoka. —*Con.*	Stephenson No. 62	92	20	112	.....	.....	275	113	162	1	....	....	....
	" " 63	48	36	84	.....	.....	175	85	90	1	....	....	....
	Stisted " 64	25	54	79	.....	.....	175	79	96	....	....	....	....
	" " 65	11	58	69	.....	.....	150	69	81	....	....	....	....
	Watt " 66	91	32	123	.....	.....	200	123	77	....	....	....	....
	" " 67	59	47	106	.....	.....	175	110	65	2	2	....	....
	" " 68	17	7	24	.....	.....	75	24	51	....	....	....	....
	" " 69	32	5	37	.....	.....	75	37	38	....	....	....	....
	MacTier " 70	175	41	216	.....	.....	350	218	132	1	1	....	....
	Baxter " 71	14	19	33	.....	.....	150	33	117	....	....	....	....
	" " 72	30	31	61	.....	.....	150	63	87	....	2	....	....
	Franklin " 73	28	53	81	.....	.....	125	81	44	....	....	....	....
	" " 74	54	34	88	.....	.....	125	89	36	1	....	....	....
	" " 75	51	17	68	.....	.....	125	68	57	....	....	....	....
	Gibson " 76	11	..	11	.....	.....	150	11	139	....	....	....	....
	Sinclair " 77	20	24	44	.....	.....	75	44	31	....	....	....	....
	Muskoka " 78	11	14	25	.....	.....	125	26	99	1	....	....	....
	Totals	4,186	2,309	6,495	.....	.....	13,125	6,572	7,553	45	24	8	....
	Majority for Ecclestone	1,877											

			Snyder	Swayze	Willson										
Niagara Falls....	Niagara Falls	No. 1	30	37	127	194	256	497	450	194	256	....	....	....	....
	"	" 2	31	44	127	202	248	549	450	202	292	2	....	1	....
	"	" 3	42	65	83	190	210	584	400	190	208	1	....	1	....
	"	" 4	46	50	109	205	295	632	500	205	295	....	....	....	....
	"	" 5	49	45	98	192	208	427	400	192	208	....	....	....	....
	"	" 6	40	34	92	166	234	491	400	166	233	....	....	1	....
	"	" 7	22	61	123	206	144	403	350	206	144	....	....	....	....
	"	" 8	19	34	59	112	263	400	375	259	261	2	....	....	....
	"	" 9	38	49	62	149	326	527	475	149	326	....	....	....	....
	"	" 10	28	26	82	136	314	497	450	136	312	2	....	....	....
	"	" 11	25	33	77	135	165	387	300	135	162	2	....	1	....
	"	" 12	37	24	63	124	201	346	325	124	195	2	....	4	....
	"	" 13	41	79	77	197	253	424	450	197	253	....	....	....	....
	"	" 14	48	74	82	204	196	479	400	204	198	....	....	....	....
	"	" 15	49	79	69	197	303	464	500	197	302	....	....	1	....
	"	" 16	48	63	72	183	242	487	425	183	241	....	1	....	....
	"	" 17	42	53	100	195	230	495	425	195	195	....	....	....	....
	"	" 18	74	59	81	214	136	439	350	214	136	....	....	....	....
	"	" 19	57	89	80	226	174	454	400	226	168	....	6	....	....
	"	" 20	27	80	68	175	75	478	250	175	170	....	....	1	4
	"	" 21	31	82	82	195	160	406	375	195	179	....	....	1	....
	"	" 22	44	86	85	215	160	450	375	215	156	4	....	....	....
	"	" 23	40	90	81	211	139	497	350	211	138	1	....	....	....
	"	" 24	45	74	80	199	101	439	300	199	100	1	....	....	....
	Crystal Beach	" 25	12	19	104	135	65	202	200	135	65	....	....	....	....
	Chippawa	" 26	53	66	99	218	107	335	325	218	105	....	2	....	....
	"	" 27	49	102	100	251	74	345	325	251	71	....	2	1	....
	Fort Erie	" 28	44	13	102	159	191	360	350	159	187	3	1	....	....
	"	" 29	61	9	138	208	142	366	350	208	139	2	1	....	....
	Bridgeburg	" 30	30	8	141	179	171	356	350	179	171	....	....	....	....
	"	" 31	64	8	178	250	100	355	350	250	198	1	....	1	....
	"	" 32	33	11	123	167	158	336	325	167	154	2	2	....	....
	"	" 33	45	4	150	199	76	276	275	199	72	....	4	....	....
	"	" 34	24	10	125	159	91	269	250	159	85	....	6	....	....
	Bertie	" 35	17	5	50	72	53	125	125	72	52	1	....	....	....
	"	" 36	49	14	95	158	92	253	250	158	91	1	....	....	....
	"	" 37	49	11	107	167	33	224	200	167	23	....	....	....	....
	"	" 38	51	9	65	125	50	173	175	125	48	2	....	....	....
	"	" 39	58	12	87	157	143	319	300	157	143	....	....	....	....
	"	" 40	21	5	59	85	90	183	175	85	89	....	1	....	....
	"	" 41	32	4	44	80	70	157	150	80	70	....	....	....	....
	"	" 42	74	8	65	147	53	196	200	147	53	....	....	....	....
	"	" 43	35	2	121	158	42	218	200	158	38	3	....	....	....
	"	" 44	62	10	65	137	38	175	175	137	35	....	3	....	....

P. H. Shriner,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Snyder	Swayze	Willson										
Niagara Falls. —*Con.*	Willoughby.....No. 45	21	79	96	196	54	266	250	196	54	....	....	....	....
	" ..... " 46	39	64	55	158	92	266	250	158	92	....	....	....	....
	Stamford..... " 47	28	21	95	144	56	278	200	144	51	5	....	....	....
	" ..... " 48	19	21	104	144	106	332	250	144	101	2	1	2	....
	" ..... " 49	14	68	73	155	120	307	275	155	118	1	1	....	1
	" ..... " 50	2	26	25	53	197	257	250	53	195	2	....	....	....
	" ..... " 51	6	46	28	80	95	276	175	80	94	1	....	....	....
	" ..... " 51 A	5	44	43	92	83	200	175	92	82	....	1	....	....
	" ..... " 52	42	71	45	158	92	332	250	158	90	2	....	....	....
	" ..... " 53	29	68	48	145	105	290	250	145	105	....	....	....	....
	" ..... " 54	36	67	48	151	99	345	250	151	95	3	1	....	....
	" ..... " 55	47	59	66	172	53	235	225	172	49	5	....	....	....
	" ..... " 56	22	8	58	88	112	265	200	88	112	....	....	....	2
	" ..... " 56 A	15	21	58	94	56	154	150	94	56	....	....	....	....
	N. E. Railway Poll..... " 57	3	1	2	6	69	.....	75	6	69	....	....	....	....
	Bridgeburg Railway Poll... " 58	1	0	1	2	73	.....	75	2	73	....	....	....	....
	Totals.....	2,145	2,404	4,922	9,471	8,334	20,278	17,825	9,618	8,453	53	33	15	7
	Majority for Willson.....			2,518										

G. A. McGAUGHEY,
Returning Officer.

				Marceau	McIlvenna	Morel										
Nipissing	North Bay	"	1	64	6	71	141	84	.....	225	143	82	1	1	....	....
	"	"	1 A	42	6	56	104	121	433	225	106	119	2	....	....	....
	"	"	2	51	4	60	115	110	.....	225	115	110	....	....	....	....
	"	"	2 A	54	4	62	120	105	448	225	122	103	....	2	....	....
	"	"	3	83	7	71	161	64	.....	225	165	60	4	....	....	....
	"	"	3 A	64	7	69	140	160	512	300	146	154	6	....	....	....
	"	"	4	63	4	89	156	119	.....	275	158	117	2	....	....	....
	"	"	4 A	40	4	66	110	190	552	300	110	190	....	....	....	....
	"	"	5	62	5	61	128	97	.....	225	129	96	....	....	1	....
	"	"	5 A	43	6	50	99	126	450	225	100	125	....	....	....	....
	"	"	6	90	11	57	158	142	.....	300	160	140	1	....	1	....
	"	"	6 A	55	6	47	108	192	575	300	111	189	3	....	....	....
	"	"	7	41	11	78	130	120	.....	250	134	116	....	4	....	....
	"	"	7 A	25	11	77	113	162	501	275	117	158	3	1	....	....
	"	"	8	54	15	90	159	141	.....	300	160	140	....	1	....	....
	"	"	8 A	53	5	89	147	153	554	300	149	151	1	1	....	....
	"	"	9	57	5	80	142	133	.....	275	144	131	1	1	....	....
	"	"	9 A	51	16	65	132	143	549	275	136	139	4	....	....	....
	"	"	10	43	15	92	150	150	.....	300	152	148	2	....	....	....
	"	"	10 A	54	10	79	143	157	584	300	143	157	....	....	....	....
	"	"	11	73	13	60	146	154	.....	300	147	153	1	....	....	....
	"	"	11 A	54	9	64	127	148	575	275	130	145	3	....	....	....
	"	"	12	58	13	35	106	119	.....	225	110	115	3	1	....	....
	"	"	12 A	30	4	51	85	165	454	250	86	164	....	1	....	....
	"	"	13	32	9	44	85	115	.....	200	86	114	1	....	....	....
	"	"	13 A	27	8	32	67	108	375	175	68	107	1	....	....	....
	Tp. of Widdifield	"	14	57	2	28	87	88	158	175	88	87	1	....	....	....
	"	"	15	64	2	21	87	63	127	150	89	61	2	....	....	....
	"	"	16	33	1	37	71	79	102	150	71	79	....	....	....	....
	"	"	17	32	5	2	39	36	69	75	39	36	....	....	....	....
	"	"	18	8	15	18	41	59	87	100	41	59	....	....	....	....
	Tp. of West Ferris	"	19	16	13	7	36	39	54	75	37	38	1	....	....	....
	" "	"	20	22	4	26	52	48	94	100	52	48	....	....	....	....
	Tp. of East Ferris	"	21	162	2	39	203	47	246	250	203	47	....	....	....	....
	" "	"	22	74	.....	19	93	57	130	150	93	57	....	....	....	....
	" "	"	23	32	1	28	61	39	76	100	61	39	....	....	....	....
	Tp. of Bonfield	"	24	57	13	55	125	200	309	325	128	197	3	....	....	....
	"	"	25	42	4	10	56	344	386	400	56	342	2	....	....	....
	"	"	26	99	3	24	126	174	281	300	128	172	....	2	....	....
	Town of Bonfield	"	27	74	2	57	133	92	225	225	134	91	1	....	....	....
	Tp. of Calvin	"	28	53	8	107	168	82	245	250	169	81	....	1	....	....
	Town of Mattawa	"	29	67	2	80	149	101	227	250	149	101	....	....	....	....
	"	"	30	81	2	125	208	142	343	350	209	141	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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		Marceau	Mc-Ilvenna	Morel										
Nipissing.—*Con.*.	Town of Mattawa..... No. 31	50	2	107	159	91	240	250	159	91	....	....	....	....
	Tp. of Papineau..... " 32	65	6	128	199	126	302	325	201	124	....	2	....	....
	Tp. of Cameron..... " 33	51	14	54	119	81	176	200	120	80	1	....	....	....
	Tp. of Mattawan..... " 34	20	.....	36	56	44	97	100	57	43	1	....	....	....
	Tps. Head, Clara and Maria " 35	2	5	36	43	32	64	75	43	32	....	....	....	....
	" " " 36	9	4	23	36	114	131	150	36	114	....	....	....	....
	" " " 37	4	.....	21	25	175	187	200	25	175	....	....	....	....
	Tp. of Chisholm..... " 38	55	11	12	78	72	145	150	79	71	....	1	....	....
	" ..... " 39	62	18	34	114	136	233	250	114	136	....	....	....	....
	" ..... " 40	89	2	4	95	30	125	125	95	30	....	....	....	....
	Unorganized Municipalities—													
	Tps. Lauder and Wilkes.. " 41	.....	.....	6	6	19	8	25	7	18	1	....	....	....
	Pt. of Tp. of Boulter..... " 42	6	2	4	12	13	14	25	13	12	....	1	....	....
	" " ..... " 43	14	.....	4	18	7	19	25	18	7	....	....	....	....
	Tps. Phelps and Mulock.. " 44	19	5	4	28	47	55	75	28	47	....	....	....	....
	Tps. Merrick, Stewart and Lockart..... " 45	1	1	9	11	39	27	50	11	39	....	....	....	....
	Tps. Notman, Hammel Osborne, Garrow and Gooderham..... " 46	2	1	2	5	20	16	25	5	20	....	....	....	....
	Tps. Antonio, Eddy, Poitras, Oirin, French and the Unsurveyed Township immediately west.. " 47	.....	.....	13	13	12	13	25	13	12	....	....	....	....

Tps. Anglin, Deacon and Lister	" 48	1	28	7	36	39	55	75	36	39	....	....	....	....
Tp. of Boyd	" 49	7	3	8	18	32	35	50	18	32	....	....	....	....
Tp. of Pentland	" 50	.....	.....	10	10	40	26	50	10	40	....	....	....	....
Tps. Commanda and Blyth	" 51	.....	.....	.....	.....	25	2	25	.....	25	....	....	....	....
Tps. Hunter, Biggar, Osler, Devine, Bishop, McLaughlin, Freswick and Bower	" 52	1	.....	5	6	19	23	25	6	19	....	....	....	....
Tp. of Sabine	" 53	11	2	8	21	54	67	75	22	53	....	1	....	....
Tps. Cannisby and Peck	" 54	5	1	35	41	59	77	100	41	59	....	....	....	....
Tps. Murchison, Lyle and Dickens	" 55	54	10	92	156	144	283	300	156	144	....	....	....	....
Tps. Airy, Sproule, Gauthier, Barron and part of Sabine	" 56	73	9	114	196	129	325	325	197	128	....	....	1	....
Tps. of Wyse	" 57	1	.....	10	11	39	45	50	11	39	....	....	....	....
Tps. of McCraney	" 58	3	2	7	12	38	33	50	12	38	....	....	....	....
Railway Poll, North Bay	" 59	28	4	63	95	80	175	175	95	80	....	....	....	....
" Madawaska	" 60	1	.....	4	5	20	25	25	5	20	....	....	....	....
Totals		2,970	423	3,238	6,631	6,944	12,744	13,575	6,707	6,866	52	21	3	....
Majority for Morel				268										

			Sewell	Boughner										
Norfolk, North...	Townsend Tp	No. 1	90	48	138	135	273	300	138	162	....	....	....	....
"	"	" 2	203	7	210	116	326	350	210	140	....	....	....	....
"	"	" 3	117	29	146	66	212	350	146	204	....	....	....	....
"	"	" 4	137	45	182	70	252	275	182	91	....	....	....	....
"	"	" 5	134	31	165	44	209	250	166	84	1	....	....	....
"	"	" 6	168	41	209	60	269	300	209	91	....	....	....	....
"	"	" 7	163	49	212	120	332	350	214	136	2	....	....	....
"	"	" 8	116	46	162	85	247	275	165	110	3	....	....	....
"	"	" 9	132	18	150	60	210	250	150	100	....	....	....	....
	Village of Waterford	" 1	90	118	208	92	300	400	212	187	4	....	....	....
	" ...A to M	" 2	104	80	184	91	275	275	187	88	2	1	....	....
	" ...N to Z	" 2	50	55	105	95	200	200	110	90	4	1	....	....
	Middleton Tp	" 1	68	75	143	90	233	275	146	129	1	....	2	....
	"	" 2	84	80	164	91	255	300	165	135	1	....	....	....
	"	" 3	71	145	216	112	328	350	219	131	3	....	....	....
	"	" 4	84	31	115	87	202	225	115	110	....	....	....	....
	"	" 5	55	30	85	83	168	175	87	88	....	....	2	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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		Sewell	Boughner										
Norfolk, North. —*Con.*	Delhi Village..... No. 1	39	191	230	35	265	300	232	68	2	....	....	....
	" ..... " 1	37	86	123	143	266	300	124	176	....	1	....	....
	Windham Tp..... " 1	100	33	133	133	265	300	134	166	....	1	....	....
	" ..... " 2	90	71	161	84	245	300	161	139	....	....	....	....
	" ..... " 3	76	106	182	92	274	325	184	141	2	....	....	....
	" ..... " 4	118	80	198	119	317	350	199	151	1	....	....	....
	" ..... " 5	101	76	177	85	262	275	179	96	2	....	....	....
	" ..... " 6	97	29	126	140	266	300	129	171	2	1	....	....
	" ..... " 7	92	108	200	97	297	325	202	123	....	2	....	....
	Simcoe..... " 1	65	149	214	201	415	400	217	183	1	2	....	....
	" ..... " 2	43	110	153	253	485	300	156	144	2	1	....	....
	" ..... " 2	15	64	79			200	80	120	1	....	....	....
	" ..... " 3	44	138	182	145	327	325	182	143	....	....	....	....
	" ..... " 4	66	152	218	251	576	350	221	129	2	1	....	....
	" ..... " 4	33	74	107			200	107	93	....	....	....	....
	" ..... " 5	37	130	167	134	301	325	168	157	1	....	....	....
	" ..... " 6	47	122	169	193	451	250	170	80	....	1	....	....
	" ..... " 6	38	51	89			200	89	111	....	....	....	....
	" ..... " 7	64	149	213	202	415	400	215	185	2	....	....	....
FRANK W. CLINE, Returning Officer.	Totals.....	3,068	2,847	5,915		9,738				37	12	4	
	Majority for Sewell.....	221											

Wm. Budd, Returning Officer.

			Martin	Cridland										
Norfolk, South...	Port Dover	No. 1 A	131	49	180	155	529	275	181	94	1	....	....	....
	"	" 1 N	135	54	194			275	194	81	4	1	....	....
	"	" 2 A	183	56	245	185	651	300	245	55	5	1	....	....
	"	" 2 N	170	48	221			300	221	79	3	....	....	....
	Houghton	" 1	31	54	85	54	139	175	85	90	....	....	....	....
	"	" 2	73	41	115	92	207	250	115	135	1	....	....	....
	"	" 3	92	78	170	60	230	250	173	77	....	....	3	....
	"	" 4	70	115	185	44	229	250	185	65	....	....	....	....
	Charlotteville	" 1 A	88	40	128	74	337	201	128	73	....	....	....	....
	"	" 1 N	79	55	135			175	137	38	1	....	2	....
	"	" 2	104	67	172	64	236	250	172	78	1	....	....	....
	"	" 3	159	94	253	70	323	350	253	97	....	....	....	....
	"	" 4	69	33	103	68	171	200	103	97	1	....	....	....
	"	" 5	67	55	127	92	219	251	127	124	3	2	....	....
	"	" 6	69	91	161	92	253	275	161	114	1	....	....	....
	"	" 7	76	69	145	93	238	275	145	130	....	....	....	....
	South Walsingham	" 1	26	143	176	47	223	250	176	74	1	6	....	....
	" "	" 2	58	120	180	48	228	251	180	71	2	....	....	....
	" "	" 3	112	78	192	68	260	275	192	83	2	....	....	....
	" "	" 5	118	114	235	65	300	325	235	90	3	....	....	....
	North "	" 1	54	55	110	36	146	175	110	65	1	....	....	....
	" "	" 2	47	68	119	39	158	175	110	56	4	....	....	....
	" "	" 3	120	34	160	3	163	200	160	40	1	5	....	....
	" "	" 4	82	60	144	46	190	200	144	56	2	....	....	....
	" "	" 5	91	68	161	62	223	250	161	89	2	....	....	....
	Port Rowan	" 1 A	137	83	222	12	375	276	222	54	2	....	....	....
	"	" 1 N	103	38	141			275	141	134	....	....	....	....
	Woodhouse	" 1	120	112	232	112	344	350	232	118	....	....	....	....
	"	" 2 A	98	81	180	162	494	300	180	120	1	....	....	....
	"	" 2 N	79	68	152			302	152	150	3	2	....	....
	"	" 3	117	136	260	74	334	350	260	90	7	....	....	....
	"	" 4	112	171	283	91	374	402	283	119	....	....	....	....
	Totals		3,070	2,428	5,566	2,008	7,574	8,408	5,563	2,836	52	17	5	....
	Majority for Martin		642											

			Belford	Montgomery										
Northumberland, East.....	Brighton Village	No. 1	88	72	160	100	415	225	160	64	1	....	....	....
	"	" 1 A	77	78	155			225	155	68	....	2	....	....
	"	" 2	38	33	71	92	328	200	71	127	2	....	....	....
	"	" 2 A	87	78	165			200	165	33	2	....	....	....
	"	" 3	62	64	126	60	275	175	126	48	1	....	....	....
	"	" 3 A	39	50	89			175	89	84	....	2	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Northumberland, East.—*Con*....			Belford	Montgomery										
	Brighton Tp.....	No. 1	37	52	89	62	240	150	89	60	1	....	....	....
	"	" 1 A	32	57	89			150	89	60	....	....	1	....
	"	" 2	44	58	102	60	316	175	102	69	....	4	....	....
	"	" 2 A	68	86	154			175	154	20	1	....	....	....
	"	" 3	45	56	101	67	321	175	101	72	....	....	....	2
	"	" 3 A	58	95	153			175	153	14	6	1	....	1
	"	" 4	61	49	110	52	255	150	110	38	1	....	....	1
	"	" 4 A	45	48	93			150	93	55	1	1	....	....
	"	" 5	74	39	113	70	307	175	113	60	2	....	....	....
	"	" 5 A	64	60	124			175	124	46	1	4	....	....
	Cramahe Tp.....	" 1	36	70	106	78	262	150	106	42	2	....	....	....
	"	" 1 A	33	45	78			150	78	70	....	....	2	....
	"	" 2	48	65	113	67	284	175	113	59	2	1	....	....
	"	" 2 A	42	62	104			175	104	69	2	....	....	....
	"	" 3	84	66	150	69	280	175	150	19	6	....	....	....
	"	" 3 A	26	35	61			175	61	114	....	....	....	....
	"	" 4	54	61	115	62	292	175	115	58	....	2	....	....
	"	" 4 A	71	44	115			175	115	58	2	....	....	....
	"	" 5	64	76	140	87	363	200	140	58	1	1	....	....
	"	" 5 A	78	58	136			200	136	63	1	....	....	....
	Colborne Village.....	" 1	70	43	113	138	501	200	113	86	....	....	....	1
	"	" 1 A	83	45	128			200	128	71	....	1	....	....
	"	" 1 B	80	42	122	62	186	200	122	72	3	3	....	....
	"	" 2	61	63	124			225	124	98	2	....	1	....
	Campbellford Town.....	" 1	39	41	80	234	612	225	80	142	....	....	3	....
	"	" 1 A	86	63	149			225	149	76	....	....	....	....

GEO. H. HUFF,
Returning Officer.

"	"	1 B	71	78	149	183	450	225	149	74	....	....	2	....
"	"	2	75	58	133			250	133	114	1	2	....	....
"	"	2 A	78	56	134	156	506	250	134	114	1	1	....	....
"	"	3	57	35	92			200	92	107	1	....	....	....
"	"	3 A	78	60	138	.....	.....	200	138	58	3	1	....	....
"	"	3 B	78	42	120	.....	.....	200	120	76	4	....	....	....
"	"	4	89	34	123	121	367	225	123	101	1	....	....	....
"	"	4 A	95	28	123			225	123	102	....	....	....	....
Hastings Village	"	1	59	45	104	180	380	225	104	120	1	....	....	....
"	"	1 A	71	25	96			225	96	128	1	....	....	....
"	"	2	71	27	98	36	134	150	98	51	....	....	....	1
Murray Tp	"	1	49	82	131	68	319	175	131	40	....	....	4	....
"	"	1 A	48	72	120			175	120	53	1	1	....	....
"	"	2	70	76	146	161	444	250	146	102	1	....	1	....
"	"	2 A	74	63	137			250	137	111	....	2	....	....
"	"	3	92	57	149	132	456	250	149	100	1	....	....	....
"	"	3 A	106	69	175			250	175	73	1	1	....	....
"	"	4	74	59	133	149	412	225	133	92	....	....	....	....
"	"	4 A	58	72	130			225	130	93	1	....	1	....
Percy Tp	"	1	54	78	132	80	355	200	132	65	3	....	....	....
"	"	1 A	53	90	143			200	143	57	....	....	....	....
"	"	2	64	68	132	163	535	175	132	42	1	....	....	....
"	"	2 A	67	40	107			175	107	68	....	....	....	....
"	"	2 B	61	72	133	59	266	175	133	40	2	....	....	....
"	"	3	60	43	103			150	103	43	3	1	....	....
"	"	3 A	49	55	104	70	149	150	104	43	2	1	....	....
"	"	4	31	48	79			175	79	96	....	....	....	....
"	"	5	31	37	68	113	278	150	68	82	....	....	....	....
"	"	5 A	39	58	97			150	97	49	3	....	1	....
"	"	6	35	51	86	25	111	150	86	64	....	....	....	....
Seymour Tp	"	1	54	62	116	89	278	175	116	58	1	....	....	....
"	"	1 A	27	46	73			175	73	102	....	....	....	....
"	"	2	83	68	151	45	196	225	151	71	2	1	....	....
"	"	3	43	55	98	93	290	175	98	77	....	....	....	....
"	"	3 A	63	36	99			175	99	75	....	1	....	....
"	"	4	79	53	132	52	250	150	132	18	....	....	....	....
"	"	4 A	21	45	66			150	66	84	....	....	....	....
"	"	5	34	28	62	95	220	125	62	62	....	1	....	....
"	"	5 A	13	50	63			125	63	62	....	....	....	....
"	"	6	76	37	113	50	163	200	113	87	....	....	....	....
"	"	7	44	33	77	58	135	175	77	97	1	....	....	....
"	"	8	86	33	119	66	185	225	119	105	1	....	....	....
Totals			4,434	4,078	8,512	3,604	12,116	13,975	8,512	5,329	77	35	16	6
Majority for Belford			356											

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Boggs	Clarke										
Northumberland, West.....	Cobourg.....No. 1	85	100	189	74	263	300	189	111	4	....	....	....
	" ..... " 1 A	75	94	171	81	252	276	172	104	2	1	....	....
	" ..... " 2	125	79	207	93	300	324	209	115	3	2	....	....
	" ..... " 2 A	124	78	203	74	277	300	203	97	1	....	....	....
	" ..... " 3	111	97	214	104	318	350	216	134	6	2	....	....
	" ..... " 4	124	83	208	82	290	325	208	117	1	....	....	....
	" ..... " 4 A	139	66	206	67	273	300	207	93	1	1	....	....
	" ..... " 5	85	111	202	100	302	325	202	123	6	....	....	....
	" ..... " 5 A	102	89	192	115	307	325	193	132	1	1	....	....
	" ..... " 6	144	87	231	75	306	325	232	93	....	1	....	....
	" ..... " 6 A	148	84	232	95	327	350	232	118	....	....	....	....
	Tp. of South Monaghan... " 1	75	107	182	65	247	275	184	91	....	2	....	....
	" " ... " 2	80	88	168	62	230	250	168	82	....	....	....	....
	Tp. of Alnwick..... " 1	117	139	258	72	330	400	260	140	2	2	....	....
	" ..... " 2	46	20	66	44	110	150	66	84	....	....	....	....
	Tp. of Haldimand..... " 1	61	60	121	85	206	249	124	125	....	3	....	....
	" ..... " 2	53	47	101	38	139	175	101	74	1	....	....	....
	" ..... " 3	86	137	225	104	329	375	225	150	2	....	....	....
	" ..... " 4	31	82	113	56	169	200	114	86	....	1	....	....
	" ..... " 5	27	132	161	113	274	325	164	161	2	3	....	....
	" ..... " 6	51	89	140	56	196	225	140	85	....	....	....	....
	" ..... " 7	46	63	109	37	146	200	109	91	....	....	....	....
	" ..... " 8	26	57	84	77	161	175	84	91	1	....	....	....
	" ..... " 9	31	68	100	39	139	175	100	75	1	....	....	....
	" ..... " 10	20	61	82	45	127	175	82	93	1	....	....	....

THOMAS HOSKIN,
Returning Officer.

	Tp. of Hamilton	"	1	55	66	123	55	178	200	123	77	2	....	....	....
	"	"	2	61	72	134	48	182	200	134	66	1	....	....	....
	"	"	3	66	53	120	53	173	200	120	80	1	....	....	....
	"	"	4	58	75	133	99	232	250	133	117	....	....	....	....
	"	"	5	45	40	85	26	111	125	85	40	....	....	....	....
	"	"	6	118	91	210	48	258	250	210	40	1	....	....	....
	"	"	7	28	38	66	38	104	125	66	59	....	....	....	....
	"	"	8	45	71	117	33	150	175	117	58	1	....	....	....
	"	"	9	92	68	160	33	193	225	160	65	....	....	....	....
	"	"	10	73	118	191	80	271	300	193	107	....	2	....	....
	Totals			2,653	2,810	5,504	2,366	7,870	8,899	5,525	3,374	41	21	....	....
	Majority for Clarke				157										
				Widdifield	Walls										
Ontario, North...	Brock	No.	1	55	48	103	93	196	227	104	123	....	1	....	....
	"	A to M	2	42	192	234	85	319	325	234	91	....	....	....	....
	"	N to Z	2	37	95	132	36	168	203	132	71	....	....	....	....
	"		3	65	102	167	74	241	274	167	107	1	1	....	....
	"		4	131	66	197	61	258	302	197	105	....	....	....	....
	"		5	69	26	95	46	141	177	95	82	....	....	....	....
	"		6	47	86	133	53	186	200	133	67	....	....	....	....
	"		7	37	46	83	37	120	152	83	69	....	....	....	....
	"		8	67	19	86	27	113	126	89	37	1	2	....	....
	"		9	61	38	99	72	171	200	99	101	....	....	....	....
	Cannington	"	1	72	163	235	116	351	350	235	87	3	....	....	25
	"	"	2	62	139	201	72	273	203	203	24	2	1	....	....
	Thorah	"	1	61	19	80	7	87	101	80	21	....	....	....	....
	"	"	2	62	39	101	24	125	47	101	46	2	....	1	....
	"	"	3	68	50	118	33	151	175	121	54	2	1	....	....
	"	"	4	29	47	76	40	116	125	76	49	....	....	....	....
	"	"	5	76	85	161	61	222	250	161	89	....	....	....	....
	Beaverton	A to M	1	54	144	198	58	256	299	198	81	....	....	....	....
	"	N to Z	1	18	86	104	42	146	227	104	123	....	....	....	....
	"		2	60	130	190	56	246	277	191	86	1	....	....	....
	Scott	"	1	117	46	163	43	206	226	163	63	....	....	....	....
	"	"	2	48	61	109	59	168	225	110	115	....	1	....	....
	"	"	3	42	55	97	9	106	150	98	52	1	....	....	....
	"	A to M	4	93	59	152	75	227	251	153	98	....	1	....	....
	"	N to Z	4	42	39	81	62	143	175	82	93	1	....	....	....
	"	"	5	134	66	200	87	287	325	203	122	3	....	....	....
	Uxbridge Tp	"	1	61	30	91	58	149	175	91	84	....	....	....	....

J. H. Purvis, Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Widdifield	Walls										
Ontario, North. —*Con*.....	Uxbridge Tp.....A to M No. 2	53	67	140	53	193	252	141	131	....	1	....	....
	" .....N to Z " 2	52	32	84	51	135	150	84	66	....	....	....	....
	" ..... " 3	96	57	153	56	209	249	154	95	....	1	....	....
	" ..... " 4	29	11	40	45	85	126	40	86	....	....	....	....
	" ..... " 5	45	45	90	76	166	176	91	85	....	1	....	....
	" ..... " 6	136	80	216	69	285	350	218	132	....	2	....	....
	" ..... " 7	30	55	85	43	129	152	85	66	....	....	....	....
	Uxbridge Town.....A to M " 1	47	83	130	69	199	201	132	69	1	....	1	....
	" .....N to Z " 1	35	49	84	39	123	150	85	65	1	....	....	....
	" .....A to M " 2	43	83	126	130	256	277	128	149	2	....	....	....
	" .....N to Z " 2	18	27	45	32	77	125	45	80	....	....	....	....
	" .....A to M " 3	52	99	151	89	240	254	160	94	....	9	....	....
	" .....N to Z " 3	44	50	94	60	154	175	96	79	2	....	....	....
	Mara..... " 1	125	107	232	89	331	349	233	116	1	....	....	....
	" ..... " 2	123	38	161	98	259	300	161	139	....	....	....	....
	" ..... " 3	107	42	149	64	203	227	150	77	1	....	....	....
	" ..... " 4	62	15	77	72	149	175	77	98	....	....	....	....
	" ..... " 5	60	48	108	45	153	175	109	66	1	....	....	....
	" ..... " 6	152	56	208	93	301	327	208	119	....	....	....	....
	" ..... " 7	62	61	123	53	176	200	128	72	3	2	....	....
	Rama..... " 1	50	11	61	55	116	125	61	64	....	....	....	....
	" ..... " 2	46	12	58	51	109	126	59	67	....	1	....	....
	" ..... " 3	41	14	55	24	79	96	55	41	....	....	....	....
	" ..... " 4	43	37	80	15	95	125	80	45	....	....	....	....

	" ..... "	5	22		14	36	15	51	75	36	39	....	....	....	....
	" ..... "	6	47		80	127	46	173	202	129	73	1	1	....	....
	Totals.....		3,330		3,250	6,600	3,018	9,618	11,009	6,649	.....	30	26	2	....
	Majority for Widdifield.....		80												

				Moore	Richardson	Sinclair									
Ontario, South...	Town of Whitby.....A to M	No.	1	82	19	89	191	122	313	250	191	59	....	....	1	....
	" .....N to Z	"	1	44	29	64	138	57	195	225	137	87	....	....	1	....
	" .....A to M	"	2	49	28	48	127	83	210	250	125	123	2	....	....	....
	" .....N to Z	"	2	35	12	28	75	60	135	150	75	75	....	....	....	....
	"	"	3	77	27	80	185	105	290	225	184	140	1	....	....	....
	" .....A to M	"	4	43	23	36	102	115	217	150	102	73	....	....	....	....
	" .....N to Z	"	4	39	26	83	148	2	150	150	148	2	....	....	....	....
	" .....A to M	"	5	108	21	35	168	102	270	275	164	107	....	....	4	....
	" .....N to Z	"	5	55	16	35	109	44	153	175	106	66	....	1	2	....
	Whitby Tp.....	"	1	8	46	39	94	43	137	150	93	56	1	....	....	....
	"	"	1 A	19	43	40	102	42	144	150	102	48	....	....	....	....
	"	"	2	84	92	38	216	74	290	300	214	84	1	1	....	....
	" .....A to M	"	3	95	49	46	192	43	235	275	190	108	1	....	1	....
	" .....N to Z	"	3	33	21	21	76	36	112	125	75	49	....	....	1	....
	"	"	4	80	57	93	233	57	290	325	230	92	3	....	....	....
	Town of Oshawa.....A to H	"	1	82	12	79	174	451	838	300	....	126	1	....	....	....
	" .....I to Q	"	1	32	7	55	95			325	....	230	1	....	....	....
	" .....R to Z	"	1	63	10	45	118			300	385	182	....	....	....	....
	" .....A to M	"	2	38	13	61	114	.....	551	300	112	186	2	....	....	....
	" .....N to Z	"	2	108	12	62	187			300	182	113	5	....	....	....
	" .....A to H	"	3	83	25	131	242	493	985	525	239	283	2	1	....	....
	" .....I to Q	"	3	45	24	80	149			350	149	201	....	....	....	....
	" .....R to Z	"	3	41	18	42	101			325	101	224	....	....	....	....
	" .....A to F	"	4	70	17	85	174	678	1,192	300	172	126	1	1	....	....
	" .....G to L	"	4	56	10	47	115			325	113	210	2	....	....	....
	" .....M to S	"	4	71	17	68	157			300	156	143	....	1	....	....
	" .....T to Z	"	4	28	2	37	68			300	67	232	1	....	....	....
	" .....A to M	"	5	87	9	59	161	224	480	300	155	139	6	....	....	....
	" .....N to Z	"	5	56	8	31	95			300	95	205	....	....	....	....
	" .....A to M	"	6	92	9	64	167	212	448	300	165	133	....	....	2	....
	" .....N to Z	"	6	23	7	39	69			300	79	231	....	....	....	....
	" .....A to M	"	7	78	30	89	197	313	586	325	197	128	....	....	....	....
	" .....N to Z	"	7	32	8	36	76			300	76	224	....	....	....	....
	" .....A to H	"	8	69	17	107	193	327	765	300	193	107	....	....	....	....
	" .....I to Q	"	8	58	6	57	121			300	121	179	....	....	....	....
	" .....R to Z	"	8	46	13	63	124			300	122	178	1	....	1	....

F. M. Chapman,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Moore	Richardson	Sinclair									
Ontario, South. —*Con*.....	Town of Oshawa.....A to F No. 9		77	17	110	204			325	204	121	....	....	....	....
	" .....G to I " 9		55	18	73	148	454	1,085	300	147	152	2	....	....	....
	" .....M to S " 9		54	30	126	211			325	210	114	1	....	....	....
	" .....T to Z " 9		20	10	37	68			300	67	232	1	....	....	....
	" .....A to M " 10		63	26	95	187	228	539	300	184	113	2	1	....	....
	" .....N to Z " 10		29	19	73	124			300	121	176	3	....	....	....
	Reach Tp..... " 1		55	65	29	149	121	270	250	149	101	....	....	....	....
	" ..... " 2		32	87	21	140	105	245	250	140	110	....	....	....	....
	" ..... " 3		37	38	10	85	33	118	150	85	65	....	....	....	....
	" ..... " 4		12	99	59	172	33	205	225	170	53	2	....	....	....
	" ..... " 5		25	37	27	90	116	206	225	89	135	1	....	....	....
	" ..... " 6		63	40	44	148	82	230	250	147	102	1	....	....	....
	" ..... " 7		42	26	7	76	34	110	125	75	49	....	1	....	....
	" ..... " 8		53	83	29	166	64	230	250	165	84	1	....	....	....
	" ..... " 9		28	31	9	69	55	124	125	68	56	1	....	....	....
	Scugog Tp..... " 1		51	76	53	181	99	280	300	180	119	1	....	....	....
	Village of Port Perry..... " 1		111	11	71	195	57	250	300	193	105	1	1	....	....
	" " ..A to M " 2		90	7	54	155	95	250	275	151	120	2	2	....	....
	" " ..N to Z " 2		40	4	25	69	46	115	150	69	81	....	....	....	....
	" " ..... " 3		96	11	90	197	113	310	325	197	128	....	....	....	....
	East Whitby Tp..... " 1		43	15	122	180	126	306	325	180	145	....	....	....	....
	" ..... " 2		.....	5	4	9	15	24	25	9	16	....	....	....	....
	" .....A to N " 3		59	31	54	145	183	410	250	144	105	1	....	....	....
	" .....O to Z " 3		40	12	29	82			150	81	68	1	....	....	....
	" .....A to M " 4		46	25	101	172	98	270	275	172	103	....	....	....	....

	" ..... N to Z " 4	24	22	48	96	54	150	175	94	79	2	....	....	....
	" ..... " 5	71	16	95	182	88	270	300	182	118	....	....	....	....
	" ..... " 6	64	25	31	120	75	195	225	120	105	....	....	....	....
	Pickering Tp..... " 1	22	94	14	134	56	190	200	130	66	2	2	....	....
	" ..... A to M " 2	48	76	108	233	127	360	375	232	142	1	....	....	....
	" ..... N to Z " 2	16	59	42	119	79	198	225	117	106	2	....	....	....
	" ..... " 3	33	67	54	157	98	255	250	154	93	3	....	....	....
	" ..... " 4	10	33	13	56	39	95	100	56	44	....	....	....	....
	" ..... " 5	65	31	27	125	115	240	250	123	125	2	....	....	....
	" ..... " 6	49	40	31	122	69	191	200	120	78	2	....	....	....
	" ..... A to M " 7	69	36	58	164	121	285	300	163	135	1	....	....	....
	" ..... N to Z " 7	35	24	18	77	73	150	225	77	148	....	....	....	....
	" ..... " 8	39	54	47	141	159	299	300	140	159	1	....	....	....
	" ..... " 9	42	47	25	114	86	200	225	114	111	....	....	....	....
	" ..... A to M " 10	57	49	67	174	137	310	300	173	126	1	....	....	....
	" ..... N to Z " 10	19	38	38	95	70	165	175	95	78	2	....	....	....
	" ..... " 11	22	59	32	113	97	210	225	113	112	....	....	....	....
	Totals.....	4,015	2,376	4,212	10,699	7,475	18,316	19,975	10,603	9,307	71	12	13	....
	Majority for Sinclair.....			197										

			Sauvreau	Pinard										
Ottawa, East....	East Ottawa.....Advanced Poll.		1	1	2	.....	.....	100	2	98	....	....	....	....
	" .....No. 99		26	41	68	343	437	250	68	182	....	....	....	....
	" ..... " 99 A		14	11	26			250	26	224	1	....	....	....
	" ..... " 100		22	11	33	330	393	200	33	167	....	....	....	....
	" ..... " 100 A		14	14	30			225	28	195	....	2	....	....
	" ..... " 101		41	26	69	402	554	300	70	231	2	....	....	....
	" ..... " 101 A		39	42	83			300	83	217	2	....	....	....
	" ..... " 102		64	46	114	391	585	300	114	186	....	....	4	....
	" ..... " 102 A		58	22	80			300	80	220	....	....	....	....
	" ..... " 103		47	43	90	298	420	250	90	160	....	....	....	....
	" ..... " 103 A		16	16	32			250	32	218	....	....	....	....
	" ..... " 104		34	39	74	423	571	325	74	251	1	....	....	....
	" ..... " 104 A		46	28	74			300	74	226	....	....	....	....
	" ..... " 105		55	43	98	399	541	300	100	200	1	1	....	....
	" ..... " 105 A		24	19	44			300	44	256	1	....	....	....
	" ..... " 106		29	36	65	475	587	325	65	260	....	....	....	....
	" ..... " 106 A		31	16	47			325	47	278	....	....	....	....
	" ..... " 107		52	38	91	472	611	350	91	259	....	....	1	....
	" ..... " 107 A		38	10	48			350	48	302	....	....	....	....
	" ..... " 108		26	4	30	521	599	325	31	294	....	1	....	....
	" ..... " 108 A		35	13	48			300	48	252	....	....	....	....

ARMAND LAVERDIERE,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Gauvreau	Pinard										
Ottawa, East. —*Con*.....	East Ottawa.....No. 109	88	58	147	374	621	225	147	78	1	....	....	....
	" ..... " 109 A	61	37	100			350	100	250	1	....	1	....
	" ..... " 110	87	57	146	374	619	375	146	229	....	....	....	....
	" ..... " 110 A	73	24	99			325	100	225	1	1	1	....
	" ..... " 111	63	34	97	477	717	250	97	153	....	....	....	....
	" ..... " 111 A	48	34	82			250	82	168	....	....	....	....
	" ..... " 111 B	41	19	61			250	61	189	1	....	....	....
	" ..... " 112	25	24	50	453	600	325	50	275	1	....	....	....
	" ..... " 112 A	80	17	97			325	98	227	....	1	....	....
	" ..... " 113	29	20	50	335	427	250	50	200	....	1	....	....
	" ..... " 113 A	24	16	42			250	42	208	....	1	1	....
	" ..... " 114	47	9	57	404	506	275	57	218	1	....	....	....
	" ..... " 114 A	29	16	45			275	45	230	....	....	....	....
	" ..... " 115	24	55	82	463	587	250	82	168	2	....	1	....
	" ..... " 115 A	21	18	42			325	42	283	3	....	....	....
	" ..... " 116	39	94	134	349	564	300	134	166	1	....	....	....
	" ..... " 116 A	22	59	81			300	81	219	....	....	....	....
	" ..... " 117	27	133	166	268	521	325	166	159	6	....	....	....
	" ..... " 117 A	6	76	87			275	87	188	3	....	2	....
	" ..... " 118	29	77	108	302	524	300	108	192	2	....	....	....
	" ..... " 118 A	19	95	114			300	115	185	....	1	....	....
	" ..... " 119	42	79	126	282	506	275	126	149	....	5	....	....
	" ..... " 119 A	20	87	108			250	108	142	....	1	....	....
	" ..... " 120	31	91	123	318	507	275	123	152	....	....	1	....
	" ..... " 120 A	28	36	66			300	66	234	....	....	2	....

"	" 121	22	141	164	237	479	275	164	111	1	....	....	....
"	" 121 A	60	16	78			275	79	196	2	1	....	....
"	" 122	39	97	139	168	307	325	139	186	3	....	....	....
"	" 123	33	91	126	202	386	225	126	99	....	....	2	....
"	" 123 A	18	39	58			200	58	142	....	1	....	....
"	" 124	35	64	100	333	496	225	100	125	1	....	....	....
"	" 124 A	32	31	63			275	63	212	....	....	....	....
"	" 125	48	160	210	293	620	325	210	115	....	1	1	....
"	" 125 A	28	89	117			325	117	208	....	....	....	....
"	" 126	17	87	105			275	105	170	1	....	....	....
"	" 126 A	15	71	91	457	739	300	91	209	4	....	1	....
"	" 126 B	16	70	86			300	86	214	....	....	....	....
"	" 127	34	87	123	141	342	250	123	127	2	....	....	....
"	" 127 A	31	45	78			250	78	172	2	....	....	....
"	" 128	53	37	92	220	408	225	92	133	2	....	....	....
"	" 128 A	54	41	96			225	97	128	1	1	....	....
"	" 129	47	48	96	139	351	200	96	104	....	1	....	....
"	" 129 A	54	61	116			200	117	83	1	1	....	....
"	" 130	19	90	110			250	110	140	1	....	....	....
"	" 130 A	21	92	114	354	683	250	114	136	1	....	....	....
"	" 130 B	15	80	95			250	96	154	....	....	1	....
"	" 131	30	152	182	197	470	275	182	93	....	....	....	....
"	" 131 A	20	69	91			250	91	159	2	....	....	....
"	" 132	16	112	129	226	503	275	129	146	1	....	....	....
"	" 132 A	50	96	148			300	148	152	2	....	....	....
"	" 133	30	94	125	325	555	300	125	175	1	....	....	....
"	" 133 A	27	78	105			300	105	195	....	....	....	....
"	" 134	26	98	167	251	543	300	167	175	1	....	....	....
"	" 134 A	47	120	125			300	125	133	1	....	....	....
"	" 135	19	141	164	216	490	300	167	133	4	3	....	....
"	" 135 A	12	95	110			250	110	140	....	2	1	....
"	" 136	54	29	84	374	523	275	85	190	....	1	1	....
"	" 136 A	41	23	65			275	65	210	1	....	....	....
"	" 137	68	14	83	234	385	200	83	117	1	....	....	....
"	" 137 A	55	11	68			225	68	157	2	....	....	....
"	" 138	85	28	116	285	495	275	116	159	3	....	....	....
"	" 138 A	58	33	94			275	94	181	3	....	....	....
"	" 139	53	38	93			300	93	207	2	....	....	....
"	" 139 A	50	55	107	511	766	275	107	168	2	....	....	....
"	" 139 B	28	27	55			275	55	220	....	....	....	....
Totals		3,175	4,635	7,936	13,616	21,830	23,775	7,746	15,837	78	27	21	....
Majority for Pinard			1,460										

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.		Names of Candidates and Number of Votes Polled for each.							Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
										Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Cameron	Clarey	Ellis	Fisher	Honeywell	Sproul											
Ottawa, West....	West Ottawa.....	No. 1	.....	.....	.....	5	1	1		7	144	144	175	7	169	....	....	....	....
	"	" 1 A	.....	.....	1	3	6	....		10	144	144	175	10	166	....	....	....	....
	"	" 2	1	1	1	6	11	....		20	208	208	200	20	180	....	....	....	....
	"	" 3	.....	2	1	7	3	....		13	244	244	250	13	237	....	....	....	....
	"	" 4	4	2	2	24	14	....		46	232	232	300	46	254	....	....	....	....
	"	" 5	4	2	....	13	10	2		31	266	266	226	31	195	....	....	....	....
	"	" 5 A	1	4	1	14	10	....		30	236	266	250	30	219	....	....	....	....
	"	" 6	9	25	1	26	15	....		76	123	199	250	76	173	1	....	....	....
	"	" 7	20	14	13	38	53	1		139	61	201	200	139	61	....	....	1	....
	"	" 7 A	7	3	4	10	20	....		44	156	201	200	44	156	....	....	....	....
	"	" 8	14	18	5	45	37	4		123	127	250	250	123	127	6	....	....	....
	"	" 8 A	5	17	....	32	17	....		71	179	250	249	71	178	3	1	....	....
	"	" 9	9	19	3	67	18	....		115	92	207	200	115	85	4	1	....	....
	"	" 9 A	3	5	1	19	19	....		47	160	207	200	47	163	....	....	....	....
	"	" 10	7	23	....	97	5	....		132	61	194	200	132	61	6	....	....	....
	"	" 10 A	10	8	2	50	5	....		70	124	194	200	123	70	....	2	....	....
	"	" 11	10	20	2	89	22	2		145	4	149	200	145	49	....	6	....	....
	"	" 11 A	4	.....	.....	32	4	....		40	109	149	200	40	156	2	....	....	....
	"	" 12	31	8	4	18	28	1		93	56	248	250	93	156	3	....	....	....
	"	" 12 A	37	.....	1	51	31	3		123	71	248	250	123	120	7	....	....	....
	"	" 12 B	24	7	3	29	29	1		93	155	248	250	93	155	....	....	....	....

J. J. GROVES, Returning Officer.

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.	Cameron	Clarey	Ellis	Fisher	Honeywell	Sproul	Voters at each Polling Place. Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Ballot Papers sent out and how disposed of in each Polling Place. Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Ottawa, West. —*Con*.....	West Ottawa	No. 36 A	20	1	3	39	40	....	103	342	297	300	103	197	....	....	....	....
	"	" 36 B	12	....	1	10	28	....	51	246	297	300	51	85	....	....	....	....
	"	" 37	28	7	46	17	24	....	122	70	192	200	122	72	6	....	....	....
	"	" 37 A	11	12	5	36	10	3	77	115	192	200	77	76	..	....	....	....
	"	" 38	7	16	5	27	23	1	79	168	247	250	79	135	....	....	....	....
	"	" 38 A	1	....	1	6	10	1	19	228	247	250	19	230	....	....	....	....
	"	" 39	7	4	....	38	48	2	99	196	295	300	99	197	2	2	....	....
	"	" 39 A	3	....	7	19	39	1	69	226	295	275	69	206	....	....	....	....
	"	" 40	6	2	4	46	35	....	93	160	253	300	93	205	1	1	....	....
	"	" 40 A	7	....	5	50	35	....	97	156	253	250	97	148	5	....	....	....
	"	" 40 B	1	....	4	16	17	1	39	214	253	221	39	182	....	....	....	....
	"	" 41	19	7	4	47	56	....	126	133	259	250	126	113	....	4	....	....
	"	" 41 A	6	2	2	21	19	1	51	208	259	250	51	199	....	....	....	....
	"	" 42	5	3	5	40	34	....	87	181	268	225	87	136	1	....	....	....
	"	" 42 A	7	6	7	42	23	1	86	162	268	225	86	137	....	....	....	....
	"	" 43	11	7	3	60	43	1	125	104	229	225	125	96	3	1	....	....
	"	" 43 A	12	2	2	25	24	1	66	163	229	225	66	157	....	2	....	....
	"	" 44	11	3	14	35	36	1	100	172	272	276	100	172	....	4	....	....
	"	" 44 A	5	1	....	38	36	....	80	90	272	225	80	143	2	....	....	....
	"	" 45	4	6	9	34	45	....	98	134	232	250	98	130	2	....	....	....
	"	" 45 A	4	3	2	43	44	....	95	138	233	225	95	129	....	....	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.							Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
			Cameron	Clarey	Ellis	Fisher	Honeywell	Sproul	Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers	Ballot Papers taken from Polling Places.
ttawa, West.																		
Con.	West Ottawa ..... No. 69		6	1	2	41	38	1	89	147	236	222	89	129	4	....	....	....
	" ..... " 69 A		13	4	7	39	23	....	86	150	236	250	86	162	2	....	....	....
	" ..... " 70		11	5	4	62	52	1	135	131	266	250	135	131	....	....	....	....
	" ..... " 70 A		17	5	4	28	28	2	84	183	267	250	84	164	1	1	....	....
	" ..... " 71		3	....	3	45	45	1	97	139	236	250	97	152	....	....	1	....
	" ..... " 71 A		8	2	....	45	32	....	87	149	236	225	87	135	2	1	....	....
	" ..... " 72		5	2	5	52	50	2	116	134	250	250	116	134	....	....	....	....
	" ..... " 72 A		2	....	8	69	35	....	114	137	251	250	114	133	3	....	114	....
	" ..... " 73		3	4	4	56	40	....	107	110	217	225	107	118	1	....	....	....
	" ..... " 73 A		6	....	4	29	29	....	68	150	218	200	68	130	2	....	....	....
	" ..... " 74		3	....	9	41	43	1	97	151	246	250	97	149	4	....	....	....
	" ..... " 74 A		4	....	5	28	39	....	76	170	246	225	76	149	....	....	....	....
	" ..... " 75		15	5	15	28	46	1	110	158	268	250	110	137	3	....	....	....
	" ..... " 75 A		3	....	3	24	14	....	44	224	268	225	44	181	....	....	....	....
	" ..... " 76		16	5	15	30	36	....	102	199	211	200	102	98	....	....	....	....
	" ..... " 76 A		8	3	15	35	22	2	85	127	212	200	85	112	....	....	1	....
	" ..... " 77		8	3	12	62	37	....	122	169	291	200	122	31	2	....	....	....
	" ..... " 77 A		4	1	5	31	49	....	91	201	292	200	91	154	2	....	....	....
	" ..... " 78		7	....	5	64	43	....	119	166	279	300	119	120	....	....	....	....
	" ..... " 78 A		3	3	5	29	....	....	40	240	280	300	40	188	1	....	....	....
	" ..... " 79		6	3	12	62	60	1	143	143	286	300	143	155	....	1	....	....

"	" 79 A	6	6	8	44	32	....	96	190	286	275	96	177	....	2	....	....
"	" 80	10	18	1	28	45	1	103	95	198	175	103	65	5	....	....	....
"	" 80 A	9	22	7	4	14	....	56	142	198	173	56	114	3	....	....	....
"	" 81	16	4	7	85	82	2	196	113	309	199	196	101	3	....	....	....
"	" 81 A	6	7	4	35	19	....	71	239	310	300	71	231	4	....	....	....
"	" 82	4	.....	9	75	59	....	147	150	297	350	147	203	....	....	....	....
"	" 82 A	1	.....	9	64	23	....	97	200	297	350	97	251	....	....	2	....
"	" 83	18	1	11	37	64	....	131	103	234	225	131	92	2	....	....	....
"	" 83 A	12	2	8	26	37	1	86	149	235	225	86	138	1	1	....	....
"	" 84	9	2	9	33	50	1	104	104	208	200	104	96	....	....	....	....
"	" 84 A	5	10	33	36	5	....	89	118	208	200	89	107	4	....	....	....
"	" 85	13	14	15	28	56	....	126	132	258	249	126	120	3	....	....	....
"	" 85 A	9	3	7	20	34	....	73	186	259	249	73	175	1	....	....	....
"	" 86	74	47	14	6	2	1	144	133	277	350	144	206	....	....	....	....
"	" 86 A	2	3	4	38	29	....	75	203	278	275	75	198	....	1	....	....
"	" 87	16	3	14	27	32	....	92	131	233	225	92	133	....	....	....	....
"	" 87 A	9	1	26	33	43	....	112	122	234	225	112	75	1	....	....	....
"	" 88	13	1	16	59	69	....	158	105	263	300	158	140	2	....	....	....
"	" 88 A	5	.....	9	41	38	....	93	171	264	250	93	157	....	....	....	....
"	" 89	8	.....	11	66	46	1	132	130	262	249	132	114	2	1	....	....
"	" 89 A	4	4	5	41	43	....	97	166	263	225	97	127	1	....	....	....
"	" 90	8	1	8	70	71	....	158	125	283	275	158	117	1	....	....	....
"	" 90 A	6	6	7	46	48	....	113	170	283	275	113	161	1	....	....	....
"	" 91	9	8	14	81	70	1	183	98	281	275	183	112	....	....	....	....
"	" 91 A	12	3	12	34	27	2	90	192	282	276	90	182	3	1	....	....
"	" 92	19	20	8	30	40	....	117	173	290	200	117	79	4	....	....	....
"	" 92 A	7	10	2	37	40	1	90	200	290	200	90	110	....	....	....	....
"	" 93	6	4	7	51	32	....	100	159	259	250	100	150	....	....	....	....
"	" 93 A	7	2	11	30	24	....	74	186	260	250	74	174	1	....	1	....
"	" 94	14	.....	14	51	23	....	102	153	255	250	102	147	1	....	....	....
"	" 94 A	11	2	12	36	37	....	98	158	256	250	98	152	....	....	....	....
"	" 95	18	9	6	51	12	3	99	63	162	175	99	76	....	....	....	....
"	" 95 A	17	6	3	33	12	1	72	90	162	200	72	123	3	2	....	....
"	" 96	14	8	4	34	25	....	85	118	203	200	85	113	2	....	....	....
"	" 96 A	9	7	10	25	26	....	77	126	203	200	77	119	4	....	....	....
"	" 97	29	1	10	49	22	1	112	121	233	301	112	183	4	1	....	....
"	" 98	31	1	13	17	30	....	82	218	280	275	82	181	2	....	....	....
"	" 98 A	18	.....	9	22	22	....	71	210	281	250	71	175	4	....	....	....
Advance Poll		17	2	1	12	4	....	36	.....	.....	.....	.....	.....	....	....	....	....
Totals		2,086	1,136	1154	7362	6470	127	18,335	31,158	45,187	22,585	18,744	28,174	287	57	152	41
Majority for Fisher					892												

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Mahon	Rea	Ross										
Oxford, North ...	St. Andrew's, Woodstock .... No. 1 A	53	139	17	209	97	306	325	209	115	1	....	....	....
	" ..... " 1 B	47	113	18	178	95	273	275	178	97	....	....	....	....
	" ..... " 2	78	117	14	209	109	318	325	209	114	2	....	....	....
	St. David's, Woodstock.... " 1 A	86	88	37	211	124	335	350	211	139	....	....	....	....
	" .... " 1 B	79	61	38	178	131	309	325	178	145	....	....	....	....
	" .... " 2 A	61	85	20	166	93	259	300	166	134	2	....	....	....
	" .... " 2 B	60	69	29	158	89	247	249	158	91	....	....	....	....
	St. George's, Woodstock.... " 1 A	84	76	28	188	83	271	275	188	85	....	....	2	....
	" .... " 1 B	56	78	33	167	77	244	250	167	80	3	....	....	....
	" .... " 2 A	65	70	26	161	74	235	250	161	89	....	....	....	....
	" .... " 2 B	75	87	19	181	77	258	275	181	94	....	....	....	....
	" .... " 3	87	89	36	212	71	283	300	212	85	3	....	....	....
	" .... " 4 A	45	85	30	160	73	233	250	160	88	....	1	1	....
	" .... " 4 B	63	67	28	158	69	227	250	158	90	1	1	....	....
	St. John's, Woodstock..... " 1 A	60	56	12	128	80	208	225	128	97	....	....	....	....
	" ..... " 1 B	51	63	13	127	36	163	175	127	47	1	....	....	....
	" ..... " 2 A	32	100	10	142	80	222	225	142	82	....	1	....	....
	" ..... " 2 B	40	79	8	127	73	200	250	127	123	....	....	....	....
	" ..... " 3 A	63	80	16	159	97	256	275	159	115	1	....	....	....
	" ..... " 3 B	35	67	13	115	78	193	200	115	84	1	....	....	....
	St. Patrick's, Woodstock... " 1 A	34	98	18	150	81	231	250	150	100	....	....	....	....
	" ... " 1 B	40	87	7	134	63	197	200	134	61	4	1	....	....
	" ... " 2	55	113	22	190	145	335	350	190	159	1	....	....	....
	" ... " 3 A	50	108	18	176	114	290	300	176	121	3	....	....	....

GEORGE OLIVER, Returning Officer.

" ...	"	3 B	44	75	32	151	80	231	250	151	98	1	....	....	....
Blandford ...	"	1	25	78	61	164	86	250	250	164	83	3	....	....	....
" ...	"	2	3	21	43	67	62	129	150	67	83	....	....	....	....
" ...	"	3	7	5	63	75	56	131	150	75	75	....	....	....	....
" ...	"	4	13	11	81	105	40	145	150	105	43	....	2	....	....
" ...	"	5	38	33	61	132	46	178	200	132	68	....	....	....	....
Blenheim ...	"	1 A	28	27	32	87	92	179	200	87	112	....	1	....	....
" ...	"	1 B	32	26	30	88	98	186	200	88	112	....	....	....	....
" ...	"	2	21	8	79	108	113	221	225	108	116	1	....	....	....
" ...	"	3	10	35	117	162	85	247	250	162	88	....	....	....	....
" ...	"	4	12	20	71	103	70	173	175	103	72	....	....	....	....
" ...	"	5 A	20	36	37	93	92	185	200	93	107	....	....	....	....
" ...	"	5 B	11	35	55	101	83	184	200	101	98	....	1	....	....
" ...	"	6	4	4	138	146	58	204	225	146	79	....	....	....	....
" ...	"	7	8	6	118	132	71	203	225	132	92	....	....	1	....
" ...	"	8 A	37	16	63	116	75	191	200	116	83	1	....	....	....
" ...	"	8 B	41	36	30	107	74	181	200	107	92	1	....	....	....
" ...	"	9	26	43	81	150	72	222	225	150	73	1	1	....	....
Embro ...	"	1 A	41	13	60	114	31	145	150	114	35	....	....	1	....
" ...	"	1 B	59	19	87	165	44	209	225	165	59	1	....	....	....
Tavistock ...	"	1	119	23	13	155	66	221	225	155	67	3	....	....	....
" ...	"	2	107	43	22	172	225	397	425	172	251	2	....	....	....
East Zorra ...	"	1 A	15	35	106	156	70	226	250	156	93	1	....	....	....
" ...	"	1 B	14	53	112	179	89	268	275	179	96	....	....	....	....
" ...	"	2 A	27	23	87	137	48	185	200	137	61	2	....	....	....
" ...	"	2 B	18	14	89	121	49	170	175	121	54	....	....	....	....
" ...	"	3 A	7	28	79	114	69	183	200	114	86	....	....	....	....
" ...	"	3 B	34	24	91	149	83	232	250	149	100	1	....	....	....
" ...	"	4	13	8	88	109	92	201	225	109	115	1	....	....	....
" ...	"	5	48	33	71	152	140	292	300	152	148	....	....	....	....
" ...	"	6	23	4	57	84	215	299	300	84	215	1	....	....	....
West Zorra ...	"	1	40	10	123	173	74	247	250	173	73	3	1	....	....
" ...	"	2	24	9	155	188	75	263	275	188	86	....	1	....	....
" ...	"	3	6	8	219	233	62	295	300	233	65	1	1	....	....
" ...	"	4	55	25	118	198	88	286	300	198	98	3	1	....	....
" ...	"	5 A	48	11	66	125	46	171	175	125	49	....	....	1	....
" ...	"	5 B	54	8	67	129	66	195	200	129	71	....	....	....	....
East Nissouri ...	"	1 A	31	40	50	121	51	172	175	121	52	1	1	....	....
" ...	"	1 B	23	34	68	125	38	163	175	125	50	....	....	....	....
" ...	"	2	37	29	113	179	78	257	275	179	94	2	....	....	....
" ...	"	3	21	8	79	108	32	140	150	108	42	....	....	....	....
" ...	"	4	30	.....	51	81	32	113	125	81	44	....	....	....	....
" ...	"	5	39	40	51	130	44	174	168	130	38	....	....	....	....
" ...	"	6	10	25	62	97	34	131	150	97	53	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Oxford, North. —*Con.*		Mahon	Rea	Ross										
	East Nissouri.....No. 7	19	19	87	125	65	190	200	125	73	1	....	1	....
	" ..... " 8	21	17	46	84	79	163	175	84	91	....	....	....	....
	Totals.....	2,763	3,193	4,019	9,974	5,547	15,521	16,417	9,974	6,368	54	14	7	....
	Majority for Ross.....			826										
		Wright	Buchanan	Chambers										
Oxford, South....	Tillsonburg, A to L.....No. 1	8	31	71	110	93	203	225	110	115	....	....	....	....
	" M to Z..... " 1	8	28	48	84	79	163	175	84	91	....	....	....	....
	" A to L..... " 2	10	54	92	156	142	298	300	157	143	1	....	....	....
	" M to Z..... " 2	7	46	64	117	101	218	250	117	133	....	....	....	....
	" A to L..... " 3	15	76	97	188	152	340	350	189	161	1	....	....	....
	" M to Z..... " 3	19	110	77	206	144	350	375	206	169	....	....	....	....
	" A to L..... " 4	15	93	116	224	142	366	375	224	151	....	....	....	....
	" M to Z..... " 4	12	72	106	190	120	310	325	191	134	....	1	....	....
	Norwich Village..... " 1	42	123	74	239	85	324	325	244	81	3	2	....	....
	" ..... " 2	47	87	124	252	78	330	350	257	93	....	5	....	....
	" ..... " 3	20	78	97	195	75	270	300	196	105	....	....	1	....
	East Oxford..... " 1	114	11	41	166	94	260	275	166	109	....	....	....	....
	" ..... " 2	105	15	40	160	53	213	225	161	64	1	....	....	....
	" ..... " 3	62	51	47	160	60	220	250	160	90	....	....	....	....
	" ..... " 4	77	36	23	136	42	178	200	137	63	1	....	....	....

"	"	5	102	21	60	183	54	237	250	183	67	....	....	....	....
North Norwich	"	1	129	46	69	244	85	329	350	246	104	1	1	....	....
"	"	2	115	16	49	180	36	216	225	180	45	....	....	....	....
"	"	3	95	35	48	178	33	211	225	179	46	....	1	....	....
"	"	4	68	62	52	182	56	238	250	186	64	....	4	....	....
"	"	5	100	71	65	236	61	297	325	238	87	2	....	....	....
South Norwich	"	1	65	56	19	140	73	213	225	146	79	4	2	....	....
"	"	2	83	20	54	157	70	227	250	157	93	....	....	....	....
" M to Z	"	3	26	32	56	114	57	171	200	114	86	....	....	....	....
" A to L	"	3	23	42	66	131	74	205	225	134	91	....	3	....	....
"	"	4	91	40	59	190	97	287	300	192	108	....	1	1	....
"	"	5	67	41	79	187	87	274	300	191	109	4	....	....	....
Dereham, A to L	"	1	70	11	39	120	46	166	175	121	54	1	....	....	....
" M to Z	"	1	57	21	46	124	44	168	175	125	50	1	....	....	....
" A to L	"	2	69	28	58	155	58	213	225	155	70	....	....	....	....
" M to Z	"	2	56	26	57	139	32	171	175	142	43	3	....	....	....
" A to L	"	3	19	45	61	125	95	200	225	127	98	1	1	....	....
" M to Z	"	3	38	46	74	158	10	768	175	159	16	1	....	....	....
"	"	4	91	18	85	194	91	285	300	195	105	1	....	....	....
" A to L	"	5	76	14	70	160	74	234	250	163	87	2	1	....	....
" M to Z	"	5	49	5	68	122	54	176	200	123	77	1	....	....	....
" A to L	"	6	70	36	86	192	63	255	275	193	82	1	....	....	....
" M to Z	"	6	53	19	56	128	39	167	175	128	47	....	....	....	....
North Oxford	"	1	24	20	21	65	40	105	125	66	59	1	....	....	....
"	"	2	25	22	46	93	38	131	150	194	56	1	....	....	....
"	"	3	73	11	30	114	30	144	175	115	60	1	....	....	....
"	"	4	77	24	41	142	50	192	225	142	83	....	....	....	....
"	"	5	57	22	38	117	64	181	200	119	81	2	....	....	....
West Oxford	"	1	74	40	39	153	63	216	225	153	72	....	....	....	....
" A to L	"	2	65	23	74	162	64	226	250	164	86	1	....	1	....
" M to Z	"	2	31	27	50	108	44	192	225	109	116	1	....	....	....
"	"	3	120	38	28	186	60	246	275	188	87	1	1	....	....
"	"	4	133	34	27	194	86	280	300	196	104	2	....	....	....
Ingersoll, A to L	"	1	20	98	69	187	94	281	300	191	109	4	....	....	....
" M to Z	"	1	16	81	59	156	74	230	250	158	92	2	....	....	....
" A to L	"	2	4	78	107	189	67	256	275	190	85	....	....	1	....
" M to Z	"	2	6	71	60	137	55	192	225	141	84	4	....	....	....
" A to L	"	3	18	99	59	176	114	290	325	178	147	1	1	....	....
" M to Z	"	3	6	70	73	149	82	231	250	150	100	1	....	....	....
" A to L	"	4	43	87	101	231	109	340	350	233	117	2	....	....	....
" M to Z	"	4	33	82	93	208	78	286	300	210	90	1	....	1	....
" A to J	"	5	29	70	99	198	99	297	325	201	124	3	....	....	....
" K to Q	"	5	25	56	68	149	40	189	200	150	50	....	1	....	....
" R to Z	"	5	45	78	83	206	63	269	300	209	91	....	1	2	....

MATTHEW M. KNEALE,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Oxford, South. —*Con.*		Wright	Buchanan	Chambers										
	Ingersoll, A to L..... No. 6	15	58	70	143	73	216	250	144	106	1	....	....	....
	" M to Z..... " 6	22	53	61	136	63	199	225	136	89	....	....	....	....
	Totals.....	3,134	2,898	3,889	9,921	4,399	14,320	15,500	10,013	5,487	59	26	7	....
	Majority for Chambers.....			755										
		Hunter		Price										
Parkdale.....	Parkdale..... No. 8 A	11		44	55	443	555	300	55	245	....	....	....	....
	" ..... " 8 B	13		44	57			300	57	243	....	....	....	....
	" ..... " 9	22		58	80	196	278	325	80	243	....	1	1	....
	" ..... " 10 A	20		47	67	261	364	200	67	133	....	....	....	....
	" ..... " 10 B	5		31	36			200	36	164	....	....	....	....
	" ..... " 11	19		40	59	165	224	225	59	166	....	....	....	....
	" ..... " 16	2		3	5	21	26	25	5	20	....	....	....	....
	" ..... " 17 A	12		44	56	262	360	200	56	144	....	....	....	....
	" ..... " 17 B	14		28	42			200	42	158	....	....	....	....
	" ..... " 18	11		59	70	212	282	300	70	230	....	....	....	....
	" ..... " 19	13		50	63	188	251	250	63	187	....	....	....	....
	" ..... " 20 A	10		39	49	292	389	200	49	149	2	....	....	....
	" ..... " 20 B	10		36	46			200	46	154	....	....	....	....
	" ..... " 21	13		54	67	205	272	275	67	208	....	....	....	....
	" ..... " 22	14		57	71	238	309	325	71	254	....	....	....	....
	" ..... " 28	7		71	78	176	254	250	78	172	....	....	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Parkdale. —*Con.*		Hunter	Price										
	Parkdale ..... No. 64	10	59	69	194	265	275	69	204	1	1	....	....
	" ..... " 65	25	70	95	1 7	273	275	95	179	1	....	....	....
	" ..... " 66	18	56	74	152	226	225	74	151	....	....	....	....
	" ..... " 67	26	49	75	142	219	225	75	148	2	....	....	....
	" ..... " 68	14	72	86	195	282	300	86	213	1	....	....	....
	" ..... " 69	19	52	71	182	255	250	71	177	....	2	....	....
	" ..... " 70	18	62	80	135	216	225	80	144	....	....	1	....
	" ..... " 71	26	67	93	187	280	300	93	207	....	....	....	....
	" ..... " 72	38	62	100	196	296	300	100	200	....	....	....	....
	" ..... " 73	20	67	87	172	261	275	87	186	1	....	1	....
	" ..... " 74	16	54	70	147	218	200	70	129	1	....	....	....
	" ..... " 75	22	48	70	165	235	250	70	180	....	....	....	....
	" ..... " 122 A	3	53	56	253	363	175	56	118	....	....	1	....
	" ..... " 122 B	7	45	52			175	52	122	1	....	....	....
	" ..... " 123	22	85	107	151	259	275	107	167	....	....	1	....
	" ..... " 124	10	56	66	131	200	200	66	131	3	....	....	....
	" ..... " 125	14	82	96	139	240	250	96	149	5	....	....	....
	" ..... " 126	15	74	89	203	293	300	89	210	1	....	....	....
	" ..... " 127	8	74	82	174	259	275	82	190	1	2	....	....
	" ..... " 160	13	19	32	146	178	175	32	143	....	....	....	....
	" ..... " 161	4	33	37	117	155	150	37	112	....	1	....	....
	" ..... " 162	4	79	83	128	211	225	83	142	....	....	....	....
	" ..... " 163 A	4	72	76	195	327	175	76	98	1	....	....	....
	" ..... " 163 B	6	49	55			175	55	120	....	....	....	....

"	" 164 A	7	65	72	267	398	200	72	128	....	....	....	....
"	" 164 B	8	51	59			200	59	141	....	....	....	....
"	" 165 A	11	63	74	291	395	200	74	125	1	....	....	....
"	" 165 B	4	25	29			200	29	171	....	....	....	....
"	" 166	8	44	52	158	210	225	52	173	....	....	....	....
"	" 167	5	72	77	204	281	275	77	198	....	....	....	....
"	" 168	15	66	81	153	235	250	81	168	1	....	....	....
"	" 169 A	3	41	44	257	345	175	44	129	1	....	1	....
"	" 169 B	7	35	42			175	42	133	....	....	....	....
"	" 170 A	14	50	64	259	391	200	64	136	....	....	....	....
"	" 170 B	9	59	68			200	68	132	....	....	....	....
"	" 171	10	72	82	214	296	300	82	218	....	....	....	....
"	" 172	5	89	94	236	330	300	94	206	....	....	....	....
"	" 173	11	59	70	168	240	250	70	178	....	2	....	....
"	" 174	3	62	65	202	267	275	65	210	....	....	....	....
"	" 175	18	57	75	207	283	275	75	199	1	....	....	....
"	" 176	21	80	101	164	265	275	101	174	....	....	....	....
"	" 177	21	44	65	121	186	175	65	110	....	....	....	....
"	" 178 A	17	55	72	214	339	175	72	102	1	....	....	....
"	" 178 B	9	43	52			175	52	123	....	....	....	....
"	" 179 A	21	53	74	214	330	175	74	101	....	....	....	....
"	" 179 B	21	19	40			175	40	133	2	....	....	....
"	" 200	3	41	44	103	148	150	44	105	....	1	....	....
"	" 213	15	59	74	202	5	25	74	225	1	....	....	....
"	" 214					272	275						
"	" 215	9	52	61	140	203	225	61	162	2	....	....	....
"	" 216	9	70	79	124	203	225	79	146	....	....	....	....
Special Poll for Railwaymen, Sailors		0	5	5	5	5	200	5	195	....	....	....	....
Totals		1,535	6,050	7,585	17,255	24,917	25,874	7,585	18,212	53	17	7	....
Majority for Price			4,515										

		Hall	Harcourt	Purdon									
Parry Sound	Parry Sound No. 1 A		5		5			150	5	145	....	....	....
"	" 1	14	29	10	53	95	148	150	53	97	....	....	....
"	" 2	9	51	55	115	57	172	175	115	59	....	1	....
"	" 3	31	49	56	136	91	227	243	136	106	....	1	....
"	" 4	83	111	17	211	85	296	285	211	74	....	....	....
"	" 5	66	112	17	195	64	259	264	195	68	....	1	....
"	" 6	19	23	63	105	70	170	175	105	70	....	....	....
"	" 7	11	16	11	38	25	63	75	38	37	....	....	....
"	" 8	17	60	25	102	86	188	199	102	95	2	....	....
"	" 9	19	11	24	54	25	79	85	54	29	....	1	1

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Hall	Harcourt	Purdon										
Parry Sound. —*Con*..... S. R. ALEXANDER, Returning Officer.	Parry Sound.....No. 10	12	31	39	82	101	183	190	82	107	1	....	....	....
	" ..... " 11	40	92	18	150	127	277	300	150	149	....	....	1	....
	" ..... " 12	46	127	13	186	110	296	310	186	122	1	1	....	....
	" ..... " 13	25	132	24	181	94	275	280	181	98	....	....	1	....
	" ..... " 14	13	95	30	138	50	188	190	138	52	....	....	....	....
	" ..... " 15	4	70	46	120	48	168	165	120	45	....	....	....	....
	" ..... " 16	1	16	32	49	48	97	100	49	51	....	....	....	....
	" ..... " 17	8	78	22	108	51	159	160	108	52	....	....	....	....
	" ..... " 18	2	51	28	81	26	107	110	81	28	1	....	....	....
	" ..... " 19	2	3	3	8	27	35	40	8	32	....	....	....	....
	" ..... " 20	34	56	18	108	94	202	.....	.....	.....	....	....	....	....
	" ..... " 21	1	13	17	31	9	40	40	31	9	....	....	....	....
	" ..... " 22	5	26	4	35	32	67	70	35	35	....	....	....	....
	" ..... " 23	63	72	13	148	57	205	210	148	58	1	3	....	....
	" ..... " 24	4	15	22	41	17	58	60	41	19	....	....	....	....
	" ..... " 25	11	45	21	77	36	113	115	77	38	....	....	....	....
	" ..... " 26	.....	20	7	27	22	49	50	27	21	1	1	....	....
	" ..... " 27	27	55	19	101	37	138	140	101	39	....	....	....	....
	" ..... " 28	10	19	9	38	70	108	110	38	71	1	....	....	....
	" ..... " 29	43	92	19	154	124	278	290	154	134	2	1	....	....
	" ..... " 31	69	84	12	165	143	308	311	165	145	....	1	....	....
	" ..... " 32	.....	61	14	75	45	120	140	75	65	....	....	....	....
	" ..... " 33	17	58	48	123	45	168	171	123	48	....	....	....	....
	" ..... " 34	2	106	29	137	64	201	200	137	61	1	1	....	....
	" ..... " 35	4	25	23	52	28	80	90	52	38	....	....	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Hall	Harcourt	Purdon										
Parry Sound. —*Con.*	Parry Sound.....No. 82	17	12	4	33	40	73	80	33	47	....	....	....	....
	" ..... " 83	22	12	12	46	59	105	110	46	64	....	....	....	....
	" ..... " 84	2	78	7	87	20	107	110	87	23	....	....	....	....
	" ..... " 85	29	37	3	69	20	89	100	69	31	....	....	....	....
	" ..... " 86	1	32	7	40	33	73	80	40	40	....	....	....	....
	" ..... " 87	12	9	11	32	13	45	100	32	66	2	....	....	....
	" ..... " 88	23	8	1	32	23	55	60	32	28	....	....	....	....
	" ..... " 89	3	14	12	29	36	65	70	29	41	....	....	....	....
	" ..... " 90	.....	12	22	34	19	53	60	34	26	....	....	....	....
	" ..... " 91	81	64	1	146	70	216	222	146	75	....	1	....	....
	" ..... " 92	41	58	1	100	33	133	140	100	40	....	....	....	....
	" ..... " 93	156	13	1	170	84	254	260	170	90	....	....	....	....
	" ..... " 94	7	25	6	38	23	61	71	38	33	....	....	....	....
	" ..... " 95	26	52	3	81	82	163	160	81	79	....	....	....	....
	" ..... " 96	15	20	45	80	43	123	230	80	150	....	....	....	....
	" ..... " 97	14	77	25	116	68	184	200	116	84	....	....	....	....
	" ..... " 98	10	7	1	18	18	36	40	18	21	....	1	....	....
	Totals.....	2,297	4,876	1,519	8,692		14,309				41	23	6	2
	Majority for Harcourt.....		2,579											

DAVID H. MCCAUGHERTY, Returning Officer.

				Orr	Kennedy										
Peel	Brampton, South Ward		A	100	219	322			600	322	278	3			
	" " "		B	75	166	241			600	241	359				
	" East "		A	61	179	240			350	240	110				
	" " "		B	51	131	182			350	131	168				
	" West "		A	105	233	241			600	236	259			3	
	" " "		B	70	178	253			600	253	347		3	2	
	" North "		A	91	138	231			425	231	194	2			
	" " "		B	64	117	183			425	242	183	2			
	Port Credit Village		A	49	216	277			375	104	271		6		
	"		B	53	152	207			325	207	118		2		
	Bolton Village			101	202	307			475	307	168	2	2		
	Streetsville Village			73	189	265			400	265	135		3		
	Toronto Gore Tp	No.	1	115	39	154			250	154	96				
	"	"	2	129	53	184			250	184	66	2			
	Toronto Tp	"	1	40	207	252			425	252	173	3	2		
	"	"	2	135	132	270			400	130	270	3			
	"	"	3 A	45	151	198			325	127	198	2			
	"	"	3 B	62	182	244			275	244	31				
	"	"	4 A	70	126	196			300	196	104				
	"	"	4 B	89	92	184			300	184	116	3			
	"	"	5	98	132	234			350	234	116			4	
	"	"	6	123	103	228			375	228	147	2			
	"	"	7	108	57	169			250	169	81	4			
	"	"	8	148	76	226			375	226	149	2			
	"	"	9 A	101	132	235			350	235	115	2			
	"	"	9 B	85	105	192			325	192	133	2			
	"	"	10	81	161	252			375	252	123	3		2	
	"	"	11 A	47	156	211			300	211	89	8			
	"	"	11 B	45	219	268			400	268	132	4			
	Chinguacousy	"	1	121	55	177			250	177	73	1			
	"	"	2	109	69	161			275	161	94			3	
	"	"	3	133	84	222			325	222	103	1		4	
	"	"	4	104	115	220			350	220	130	1			
	"	"	5	102	61	167			300	167	133	4			
	"	"	6	138	123	262			375	262	113	1			
	"	"	7	106	98	204			350	204	146				
	"	"	8	125	107	233			350	233	117	1			
	Caledon	"	1	109	68	179			250	179	71	2			
	"	"	2	114	93	207			300	207	93				
	"	"	3	87	137	226			350	226	124	2			
	"	"	4	71	61	133			200	133	67	1			
	"	"	5	136	123	163			350	163	87	4			
	"	"	6	103	137	244			400	244	156	4			
	"	"	7	97	52	151			225	151	74	2			

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Orr	Kennedy										
Peel.—*Con*	Caledon No. 8	96	45	141			200	141	59				
	Albion " 1	126	38	166			300	166	134	2			
	" " 2	71	17	93			150	93	57	3	2		
	" " 3	99	53	153			275	153	122		1		
	" " 4	83	162	147			375	147	128	2			
	" " 5	68	26	94			175	94	81				
	" " 6	91	81	174			300	174	126	2			
	" " 7	15	39	55			125	55	70	1			
	Totals	4,718	6,087	10,927			17,650	10,927	6,723	83	21	18	
	Majority for Kennedy		1,369										
		Hay	Monteith										
Perth, North	City of Stratford—												
	Avon No. 1	118	136	256	138	394	425	256	169	2			
	" " 2	138	80	220	80	356	375	220	155	1	1		
	" " 3	82	82	166	63	229	253	166	87	2			
	" " 4	58	97	156	87	243	250	156	94	1			
	" " 5	90	89	180	114	294	325	180	145	1			
	" " 6	86	73	161	85	246	250	161	89		2		
	Falstaff 1	93	97	191	107	298	325	191	134	1			
	" " 2	99	151	251	121	378	400	251	149	1			
	" " 3	81	79	160	67	227	250	160	90				

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Hay	Monteith										
Perth, North. —*Con*.....	Elma.....No. 7	18	22	43	54	97	100	43	57	3	....	....	....
	" ....." 8	126	118	247	216	463	476	247	229	3	....	....	....
	Mornington....." 1	73	46	120	86	206	225	120	105	1	....	....	....
	" ....." 2	48	30	78	193	271	275	78	197	....	....	....	....
	" ....." 3	46	94	143	167	310	325	143	182	2	....	1	....
	" ....." 4	31	96	128	89	217	224	128	96	1	....	....	....
	" ....." 5	132	31	165	71	236	250	165	85	2	....	....	....
	" ....." 6	57	137	195	124	319	326	195	131	1	....	....	....
	Milverton....." 1 A	136	99	239	34	273	325	239	86	4	....	....	....
	" ....." 1 B	115	97	213	105	318	325	213	112	1	....	....	....
	Tp. of North East Hope...." 1	46	9	55	154	209	225	55	170	....	....	....	....
	" " ..." 2	102	13	117	176	293	325	117	208	....	1	1	....
	" " ..." 3	62	66	128	89	217	225	128	97	....	....	....	....
	" " ..." 5	40	17	57	74	273	275	57	93	....	....	....	....
	" " ..." 4	58	18	77	196	131	150	77	218	1	....	....	....
	Ellice Tp ....." 1	91	56	148	67	215	225	148	77	1	....	....	....
	" ....." 2	18	40	58	96	154	176	58	118	....	....	....	....
	" ....." 3	40	34	74	66	140	150	74	76	....	....	....	....
	" ....." 4	202	87	292	132	424	450	292	158	....	....	3	....
	" ....." 5	75	36	111	53	164	174	111	63	....	....	....	....
	" ....." 6	34	28	62	91	153	175	62	113	....	....	....	....
	" ....." 7	84	66	151	71	222	225	151	74	....	1	....	....
	" ....." 8	137	23	160	36	196	325	160	165	....	....	....	....
	Totals.....	5,879	6,289	12,275	8,288	20,563	22,133	12,258	9,875	75	21	13	....
	Majority for Monteith.....		410										

				Irvine	Smith										
Perth, South	St. Mary's	No.	1	100	26	126	62	188	200	127	73			1	
	"	"	2	100	55	157	99	256	270	157	113	2			
	"	"	3	72	68	140	81	221	230	142	88		2		
	"	"	4	45	54	100	54	154	160	100	60	1			
	"	"	5 A	82	34	116	39	155	170	118	52		2		
	"	"	5 B	82	29	111	53	164	181	111	70				
	"	"	6	84	23	107	82	189	200	107	93				
	"	"	7	62	57	119	97	216	230	120	110		1		
	"	"	8	95	28	124	92	216	230	124	106	1			
	"	"	9	127	34	161	113	274	290	161	129				
	"	"	10	70	19	90	58	148	160	90	70	1			
	"	"	11	108	34	143	59	202	220	143	77	1			
	Mitchell, South Ward	"	1	116	36	153	69	222	250	154	96	1		1	
	" " "	"	2	79	41	120	73	193	210	123	87		3		
	" North "	"	1	117	65	183	130	313	350	183	167	1			
	" " "	"	2	85	46	133	94	227	240	133	107	2			
	" West "			141	46	188	113	301	320	192	128	1	1	3	
	Blanshard	"	1	55	60	116	40	156	170	116	54	1			
	"	"	2	75	71	146	37	183	200	146	54				
	"	"	3	67	63	132	72	204	220	132	88	2			
	"	"	4	73	106	179	60	239	251	179	72				
	"	"	5	45	78	123	66	189	201	123	78				
	"	"	6	124	36	162	63	225	230	162	68	2			
	Downie	"	1	103	84	190	76	266	280	190	90	3			
	"	"	2	35	145	181	52	233	260	182	78	1	1		
	"	"	3	41	126	168	103	271	290	168	122	1			
	"	"	4	42	116	160	101	217	230	160	70	1			
	"	"	5	111	68	181	58	239	250	181	69	2			
	"	"	6	71	101	174	62	236	250	174	76	2			
	Fullarton	"	1	17	85	103	129	232	250	103	147	1			
	"	"	2	58	37	95	35	130	150	95	55				
	"	"	3	32	92	125	52	177	190	125	65	1			
	"	"	4	75	69	145	59	204	220	145	75	1			
	"	"	5	36	91	128	45	173	190	128	62	1			
	"	"	6	33	66	99	87	186	210	99	111				
	"	"	7	28	49	78	61	139	160	78	82	1			
	Hibbert	"	1	59	134	196	120	316	380	196	184	3			
	"	"	2	40	76	117	123	240	250	118	132	1			
	"	"	3	70	125	196	82	278	290	196	94	1	1		
	"	"	4	55	95	150	103	253	270	151	119		1		
	Logan	"	1	105	37	143	85	228	251	143	108	1			
	"	"	2	72	94	166	97	263	280	166	144				
	"	"	3	64	86	150	95	245	260	150	110				
	"	"	4	105	76	182	99	281	300	182	118	1			

G. W. Grant,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Perth, South. —*Con.*		Irvine	Smith										
	Logan.....No. 5	26	75	101	76	177	190	101	89	....	....	....	....
	" ....." 6	30	29	59	62	121	130	59	71	....	....	....	....
	" ....." 7	54	35	90	97	187	200	90	110	1	....	....	....
	South East Hope....." 1	35	69	104	222	326	340	104	236	....	....	....	....
	" ....." 2	9	78	87	97	184	200	87	113	....	....	....	....
	" ....." 3	23	90	113	52	165	180	113	67	....	....	....	....
	" ....." 4	21	71	93	81	174	190	93	97	1	....	....	....
	Totals.....	3,454	3,408	6,903		10,876	11,824			40	11	5	
	Majority for Irvine.....	46											
		Johnston	McDonald										
Peterborough, East.....	Asphodel.....No. 1	82	85	167	.....	.....	300	171	129	3	1	....	....
	" ....." 2	24	108	132	.....	.....	200	133	67	1	....	....	....
	" ....." 3	156	120	276	.....	.....	375	276	99	....	....	....	....
	" ....." 4	38	57	95	.....	.....	175	97	78	2	....	....	....
	Belmont and Methuen....." 1	43	45	88	.....	.....	200	89	111	....	....	1	....
	" " ....." 2	121	46	167	.....	.....	275	167	118	....	....	....	....
	" " ....." 3	29	13	42	.....	.....	100	43	37	1	....	....	20
	" " ....." 4	86	44	130	.....	.....	200	131	69	....	....	1	....
	" " ....." 5	20	6	26	.....	.....	75	26	49	....	....	....	....
	" " ....." 6	35	27	63	.....	.....	75	64	11	1	....	....	....
	" " ....." 7	12	6	18	.....	.....	75	18	57	....	....	....	....

W. J. Puffer, Returning Officer.

" "	"	8	16	5	21			75	21	54					
Burleigh and Anstruther	"	1	35	50	85			150	85	65					
" "	"	2	55	52	107			200	107	93					
" "	"	3	2	5	7			50	7	43					
Chandos	"	1	18	16	34			150	34	116					
"	"	2	25	41	66			125	66	59					
"	"	3	56	17	73			125	73	52					
Douro	"	1	48	82	130			250	132	118	1	1			
"	"	2	20	113	133			250	133	117					
"	"	3	10	50	60			200	61	139	1				
"	"	4	43	19	62			250	63	187	1				
Dummer	"	1	46	71	117			150	118	32	1				
"	"	2	73	50	123			200	123	77					
"	"	3	109	137	246			400	246	154					
"	"	4	37	46	83			200	83	117					
"	"	5	22	44	66			125	66	59					
"	"	6	19	17	36			50	36	14					
Otonabee	"	1	37	47	84			150	84	66					
"	"	2	53	81	134			250	135	115					1
"	"	3	67	113	180			300	181	119		1			
"	"	4	37	91	128			202	128	74					
"	"	5	73	37	110			200	111	89	1				
"	"	6	47	114	161			275	161	114					
"	"	7	24	76	100			175	100	75					
"	"	8	49	74	123			250	123	127					
Havelock	"	1	196	38	234			450	235	215	1				
"	"	2	121	36	157			450	158	292			1		
" Advance Poll			23	5	28			100	28	72					
Lakefield	No.	1	127	53	180			400	184	216	4				
"	"	2	164	68	232			400	234	166	2				
Norwood	"	1	120	64	184			300	187	113		3			
"	"	2	132	52	184			300	185	115	1				
Totals			2,550	2,321	4,872			9,202	4,903	4,279	21	6	3	21	
Majority for Johnston			229												

				Bradburn	Meyers	Tooms									
Peterborough, West	West Peterborough	No.	1	109	104	55	269	127	396	400	269	131	1			
	"	"	1 A	68	60	57	186	106	392	400	186	214	1			
	"	"	2	76	36	40	153	129	282	300	153	147	1			
	"	"	2 A	80	44	54	179	115	294	300	179	121	1			
	"	"	3	105	89	42	237	64	301	300	238	62	1	1		
	"	"	3 A	88	43	20	152	161	313	300	152	148	1			

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Peterborough, —West.—*Con.*	West Peterborough ..... No. 4	Bradburn	Meyers	Tooms										
	" ..... " 4 A	106	68	33	208	73	281	300	208	92	1	....	....	....
	" ..... " 5	76	48	19	144	173	317	300	144	156	1	....	....	....
	" ..... " 5 A	116	71	60	248	104	352	350	248	102	1	....	....	....
	" ..... " 6	85	39	26	152	179	331	350	152	198	2	....	....	....
	" ..... " 7	103	78	25	206	150	356	350	206	144	....	....	....	....
	" ..... " 8	209	79	16	304	241	545	550	304	246	....	....	....	....
	" ..... " 9	64	48	14	127	185	312	325	127	198	1	....	....	....
	" ..... " 9 A	62	72	22	156	102	258	250	157	93	....	1	....	....
	" ..... " 10	47	47	16	111	159	269	250	111	139	1	....	....	....
	" ..... " 10 A	128	65	37	231	137	368	350	231	119	1	....	....	....
	" ..... " 11	107	74	21	202	149	351	350	202	148	....	....	....	....
	" ..... " 11 A	107	77	18	203	98	301	350	203	147	1	....	....	....
	" ..... " 12	99	75	16	191	215	406	350	191	159	1	....	....	....
	" ..... " 12 A	141	109	23	276	173	448	400	276	124	3	....	....	....
	" ..... " 13	116	92	27	235	113	348	400	235	165	....	....	....	....
	" ..... " 13 A	66	91	25	183	93	276	300	183	117	1	....	....	....
	" ..... " 14	66	61	14	147	148	295	300	147	153	6	....	....	....
	" ..... " 14 A	66	97	19	182	96	278	250	182	68	....	....	....	....
	" ..... " 15	53	64	25	142	100	242	250	142	108	....	....	....	....
	" ..... " 15 A	90	75	32	198	110	308	325	198	127	1	....	....	....
	" ..... " 16	85	56	37	178	172	350	325	178	147	....	....	....	....
	" ..... " 16 A	98	50	33	185	70	255	300	185	115	4	....	....	....
	" ..... " 17	86	43	17	146	161	307	300	146	154	....	....	....	....
	" ..... " 17 A	73	47	41	161	145	306	300	161	139	....	....	....	....
		99	42	39	180	92	272	300	181	119	....	....	1	....

F. J. S. HALL, Returning Officer.

" ..... " 18	84	22	12	119	103	221	250	119	131	1	....	....	....
" ..... " 18 A	49	32	21	102	142	244	300	102	198	....	....	....	....
" ..... " 19	93	84	35	214	135	349	350	214	136	2	....	....	....
" ..... " 19 A	66	92	25	183	181	364	350	183	167	....	....	....	....
" ..... " 20	66	54	38	158	68	226	250	158	92	....	....	....	....
" ..... " 20 A	56	53	11	120	145	265	250	120	130	....	....	....	....
" ..... " 21	53	51	29	133	139	272	275	133	142	....	....	....	....
" ..... " 21 A	49	73	36	158	127	285	275	158	117	....	....	....	....
" ..... " 22	104	128	109	344	241	585	600	344	256	3	....	....	....
" ..... " 23	3	3	.....	6	12	18	25	6	19	....	....	....	....
" ..... " 24	22	4	22	48	28	76	100	48	52	....	....	....	....
" ..... " 25	10	21	34	65	45	110	125	65	60	....	....	....	....
" ..... " 26	3	.....	5	8	23	31	25	8	17	....	....	....	....
" ..... " 27	7	38	36	81	60	141	150	81	69	....	....	....	....
" ..... " 28	28	45	9	82	83	165	175	82	93	....	....	....	....
" ..... " 29	70	44	6	123	68	191	200	123	77	3	....	....	....
" ..... " 30	13	164	19	196	84	280	300	196	104	....	....	....	....
" ..... " 31	11	43	32	86	33	119	125	86	39	....	....	....	....
" ..... " 32	60	47	124	231	194	425	425	231	194	....	....	....	....
" ..... " 33	29	11	27	67	94	161	175	67	108	....	....	....	....
" ..... " 33 A	26	26	64	118	51	169	175	118	57	2	....	....	....
" ..... " 34	26	14	42	82	132	214	250	82	168	....	....	....	....
" ..... " 35	47	49	28	124	151	275	275	125	150	1	....	....	....
" ..... " 36	43	65	29	137	44	181	200	137	63	....	....	....	....
" ..... " 37	46	21	25	93	55	148	150	93	57	1	....	....	....
" ..... " 38	75	54	55	187	112	299	300	187	113	3	....	....	....
" ..... " 39	83	25	41	149	75	224	250	149	101	....	....	....	....
" ..... " 39 A	58	17	37	112	139	251	250	112	138	....	....	....	....
" ..... " 40	61	16	55	135	63	198	200	135	65	3	....	....	....
" ..... " 41	63	34	61	160	96	256	275	160	115	2	....	....	....
Totals.....	4,278	3,374	1,990	9,694	7,058	16,752	17,225	9,697	7,528	52	2	1	
Majority for Bradburn.....	904												

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.						Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
								Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Blaquier	Bryan	Keefer	McComber	Southern											
Port Arthur	Port Arthur No. 1			15	18	64		102	31	133	150	99	48		2	1	
	" " " 2			2		2		5	3	8	10	4	5	1			
	" " " 3			4	4	2		10	17	27	35	10	25				
	" " " 4	1		15	17			33	10	43	50	33	17				
	" " " 6		2	2	37	24		67	30	97	110	65	42	2	1		
	" " " 7			7	33	11		51	54	105	110	51	59				
	" " " 8		3	13	8	9		35	42	77	86	33	51	2			
	" " " 9		3	6	3			12	55	67	75	12	63				
	" " " 10	1	15		2	24		42	15	57	60	42	18				
	" " " 11		3	4	10	38		55	36	91	100	55	44		1		
	" " " 12		16	5		4		26	1	27	51	25	24		2		
	" " " 13	2	2	20		14		38	3	41	50	38	12				
	" " " 14	5	4	13	7	4		33	31	64	75	33	42				
	" " " 15	3		8	2	1		14	3	17	30	14	16				
	" " " 16			6	4			10	7	17	25	10	15				
	" " " 17			23	3			26	19	45	50	26	24				
	" " " 18			1	2	17		20	16	36	50	20	30				
	" " " 19	1		19	11	3		34	24	58	70	34	36				
	" " " 20			3	4			7	2	9	10	7	3				
	" " " 21	3		25	1	2		31	4	35	45	31	14				
	" " " 22			23	3			26	9	35	50	26	24				

Rod. Young,
Returning Officer.

"	" 23		1	38		1	40	20	60	75	40	35					
"	" 24			9	1	1	11	11	22	25	11	14					
"	" 25			13	2		15	15	30	35	15	18		2			
"	" 26			3	4	1	8	6	14	25	8	17					
"	" 27			9	2		11	4	15	20	11	9					
"	" 28			8	3	1	12	26	38	50	12	38					
"	" 29	8	6	5	15	40	75	28	103	125	74	50	1				
"	" 30	13		13	15	19	60	41	101	100	60	40					
"	" 31	15	4	21	5	24	71	44	115	127	69	56			2		
"	" 32	11	15	6	14	13	59	28	87	100	59	40		1			
Schreiber	Advance Poll			9	5	42	56			150	56	94					
Port Arthur	"	2		12	17	54	86			100	85	13		2			
"	No. 33	2	2	81	48	22	158	105	263	275	155	117	3				
"	" 33 A	3	2	94	38	10	147	90	237	250	147	101		1	1		
"	" 34	5	4	60	54	13	137	87	224	225	136	88	1				
"	" 34 A	3	4	55	40	10	113	97	210	225	112	111	1	1			
"	" 35	7	3	62	89	27	189	207	396	400	188	211	1				
"	" 35 A	5	5	53	61	20	146	185	331	350	144	204	2				
"	" 36	9	7	34	53	41	145	185	330	325	144	180	1				
"	" 37	11	2	62	45	31	151	83	234	251	151	99		1			
"	" 37 A	3		47	31	26	108	82	190	185	107	76	1	1			
"	" 38	8	5	40	51	63	171	105	276	275	167	104			4		
"	" 38 A	7	7	54	32	35	137	70	207	201	135	63	2	1			
"	" 39	2	13	103	51	33	205	151	356	360	202	155	3				
"	" 40	7	18	52	28	35	142	135	277	275	140	132	2	1			
"	" 40 A	6	8	28	26	31	100	130	230	235	99	135	1				
"	" 41	12	4	106	53	24	202	118	320	325	199	123	3				
"	" 41 A	10	1	101	63	11	186	123	309	310	186	124					
"	" 42	9	1	96	53	31	190	95	285	285	190	94		1			
"	" 42 A	14	2	104	54	18	194	114	308	310	192	116	2				
"	" 43	13	5	66	36	45	167	125	292	300	165	133	1	1			
"	" 43 A	12	5	60	35	41	154	104	258	250	153	96	1				
"	" 44	11	6	72	38	42	170	140	310	300	169	130		1			
"	" 44 A	2	8	69	29	27	137	148	285	300	135	163	2				
"	" 45	7	3	78	54	15	157	117	274	275	157	118					
"	" 45 A	6		63	57	13	139	91	230	226	139	86		1			
"	" 46	9	8	76	34	26	154	112	266	250	153	93	1	3			
"	" 46 A	9	5	83	46	20	164	103	267	250	163	85		1	1		
"	" 47	17	11	82	52	24	187	210	397	400	186	213			1		
"	" 48	5	8	38	35	3	90	95	185	200	89	110	1				
"	" 49	1		28	35	98	164	146	310	310	162	146	2				
"	" 49 A	2	3	24	31	96	156	143	299	310	156	154					
Totals		284	224	2,331	1,604	1,346	5,841	4,189	10,030	10,657	5,789	4,796	37	25	10		
Majority for Keefer				727													

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Evanturel	Proulx	Villeneuve										
Prescott.....	Alfred Tp.....No. 1, Apt. 1	162	31	.....	193	39	232	250	195	56	....	1	1	....
	" ... " 1 " 2	185	37	2	224	50	274	300	225	76	....	1	....	....
	" ..... " 2.....	115	7	3	125	46	171	200	126	75	....	1	....	....
	" ..... " 3.....	103	35	3	142	73	215	250	143	107	1	1	....	....
	" ..... " 4, Apt. 1	93	39	3	136	70	206	250	137	114	1	1	....	....
	" ..... " 4, " 2	93	42	.....	136	70	206	250	136	116	1	....	....	....
	" ..... " 5.....	70	57	3	131	35	166	200	131	69	1	....	....	....
	Caledonia Tp..... " 1,.....	61	32	1	94	67	161	200	94	106	....	....	....	....
	" ..... " 2, Apt. 1	11	38	5	54	80	134	175	54	121	....	....	....	....
	" ..... " 2, " 2	14	28	9	51	116	167	200	51	149	....	....	....	....
	" ..... " 3, " 1	21	27	10	58	47	105	150	58	93	....	....	....	....
	" ..... " 3, " 2	31	41	25	99	58	157	200	100	100	2	1	....	....
	" ..... " 4.....	.....	28	.....	28	55	83	100	28	72	....	....	....	....
	" ..... " 5.....	11	33	.....	44	20	64	100	44	56	....	....	....	....
	E. Hawkesbury Tp... " 1.....	38	59	19	117	106	223	250	117	133	1	....	....	....
	" ... " 2.....	9	84	.....	93	55	148	175	93	82	....	....	....	....
	" ... " 3, Apt. 1	18	52	75	146	110	256	300	147	153	1	1	....	....
	" ... " 3, " 2	22	46	59	128	66	194	225	128	97	1	....	....	....
	" ... " 4, " 1	7	67	7	81	88	169	200	81	119	....	....	....	....
	" ... " 4, " 2	1	57	.....	58	71	129	150	58	92	....	....	....	....
	" ... " 5, " 1	20	59	15	94	95	189	225	95	130	....	1	....	....
	" ... " 5, " 2	47	43	27	117	110	227	250	117	133	....	....	....	....
	" ... " 6, " 1	19	66	.....	85	65	150	175	85	90	....	....	....	....
	" ... " 6, " 2	51	65	2	118	68	186	200	118	83	....	....	....	....
	W. Hawkesbury Tp... " 1, " 1	22	44	3	69	88	157	175	69	106	....	....	....	....

WILLIAM L. ALLISON, Returning Officer.

"	"	1,	"	2	31	37	4	72	75	147	150	72	78	....	....	....	....
"	"	2,	"	1	17	45	4	66	90	156	175	66	109	....	....	....	....
"	"	2,	"	2	8	37	4	49	85	134	150	49	101	....	....	....	....
"	"	3,	"	1	2	14	.....	16	67	83	100	16	84	....	....	....	....
"	"	3,	"	2	1	20	.....	21	81	102	125	21	104	....	....	....	....
N. Plantagenet	"	1			86	41	5	134	41	175	200	134	66	2	....	....	....
"	"	2,	Apt.	1	67	98	1	166	49	215	250	167	83	....	1	....	....
"	"	2,	"	2	79	120	.....	199	53	252	200	199	1	....	....	....	....
"	"	3,	"	1	24	68	1	95	58	153	175	95	80	2	....	....	....
"	"	3,	"	2	22	56	2	80	46	126	150	81	69	....	1	....	....
"	"	4,	"	1	23	15	1	39	63	102	125	39	86	....	....	....	....
"	"	4,	"	2	16	17	.....	33	53	86	100	33	68	....	....	....	....
"	"	5,	"	1	58	49	.....	107	12	119	150	109	41	....	....	2	....
"	"	5,	"	2	43	31	.....	74	68	142	175	74	101	....	....	....	....
S. Plantagenet	"	1,	"	1	4	87	2	95	43	138	150	95	55	2	....	....	....
"	"	1,	"	2	7	101	1	109	59	168	200	109	91	....	....	....	....
"	"	2,	"	1	2	49	1	52	55	107	125	52	73	....	....	....	....
"	"	2,	"	2	2	56	.....	58	95	153	175	58	119	....	....	....	....
"	"	3,	"	1	3	18	.....	21	74	95	125	21	104	....	....	....	....
"	"	3,	"	2	8	37	1	46	85	131	150	46	104	....	....	....	....
"	"	4,	"	1	33	101	2	137	32	169	200	137	63	1	....	....	....
"	"	4,	"	2	21	55	.....	76	15	91	125	76	49	....	....	....	....
"	"	5,	"	1	36	52	.....	88	33	121	150	88	62	....	....	....	....
"	"	5,	"	2	48	56	1	105	48	153	175	105	70	....	....	....	....
Hawkesbury Town	"	1,	"	1	59	32	1	93	66	159	175	93	82	1	....	....	....
"	"	1,	"	2	68	13	1	82	66	148	150	82	68	....	....	....	....
"	"	2,	"	1	85	9	1	96	74	170	200	97	103	1	1	....	....
"	"	2,	"	2	117	25	2	145	97	242	275	145	130	1	....	....	....
"	"	3,	"	1	69	77	1	147	144	291	300	148	153	....	1	....	....
"	"	3,	"	2	60	42	1	104	35	139	150	104	46	1	....	....	....
"	"	4,	"	1	100	69	5	178	104	282	300	178	122	4	....	....	....
"	"	4,	"	2	61	35	1	100	82	182	150	102	48	3	....	2	....
"	"	5,	"	1	65	50	2	117	108	225	250	118	132	....	1	....	....
"	"	5,	"	2	38	23	1	62	64	126	150	62	89	....	....	....	....
"	"	6,	"	1	35	18	3	57	60	117	150	57	95	1	....	....	....
"	"	6,	"	2	55	18	3	76	68	144	150	76	74	....	....	....	....
Longueuil	"	1			50	36	12	99	36	135	150	99	52	1	....	....	....
"	"	2,	Apt.	1	22	57	.....	79	69	148	175	79	96	....	....	....	....
"	"	2,	"	2	33	51	.....	84	43	127	150	84	66	....	....	....	....
L'Orignal	"	1,	"	1	16	111	.....	127	49	176	200	127	73	....	....	....	....
"	"	1,	"	2	7	73	.....	80	27	107	125	80	45	....	....	....	....
"	"	2,	"	1	9	64	.....	73	33	106	125	73	52	....	....	....	....
"	"	2,	"	2	17	75	.....	92	32	124	150	92	58	....	....	....	....
Vankleek Hill	"	1,	"	1	10	38	3	51	67	118	125	51	75	....	....	....	....
"	"	1,	"	2	10	49	4	63	102	165	175	65	110	....	2	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Evanturel	Proulx	Villeneuve										
Prescott.—*Con*...	Vankleek Hill.....No. 2, Apt. 1	6	51	3	60	43	103	150	60	90	....	....	....	....
	" ..... " 2, " 2	1	61	.....	62	75	137	150	62	88	....	....	....	....
	" ..... " 3, " 1	7	72	.....	79	54	133	150	79	71	....	....	....	....
	" ..... " 3, " 2	3	82	3	88	61	149	175	88	87	....	....	....	....
	Totals.....	2,868	3,608	348	6,853	4,787	11,640	13,350	6,873	6,494	20	15	5	....
	Majority for Proulx.....		740											
		Colliver	Parliament											
Prince Edward...	Ameliasburgh.....A to M No. 1	99	72		171	100	352	250	173	77	1	1	....	....
	" .....N to Z " 1	49	32		81			250	82	168	....	....	1	....
	" .....A to M " 2	116	53		169	86	386	250	169	81	....	....	....	....
	" .....N to Z " 2	78	59		137			250	141	109	1	3	....	....
	" .....A to M " 3	67	82		149	151	349	250	150	100	1	....	....	....
	" .....N to Z " 3	31	55		86			250	87	163	1	....	....	....
	" .....A to M " 4	77	40		117	100	284	250	122	128	4	1	....	....
	" .....N to Z " 4	35	32		67			250	67	183	....	....	....	....
	" .....A to M " 5	85	57		142	71	317	225	142	83	....	....	....	....
	" .....N to Z " 5	43	61		104			225	104	121	....	....	....	....
	Hillier..... " 1	95	77		172	86	258	300	176	124	3	1	....	....
	" .....A to M " 2	83	36		119	115	317	200	119	81	....	....	....	....
	" .....N to Z " 2	50	33		83			200	83	117	....	....	....	....
	" ..... " 3	106	46		152	64	216	275	152	123	....	....	....	....

J. P. Williams,
Returning Officer.

"	"	4	62	107	169	67	236	275	170	105	1	....	....	....
Hallowell	A to M	"	1	51	89	140	101	296	225	141	84	....	....	....	....
"	N to Z	"	1	16	39	55			225	55	170	....	....	....	....
"		"	2	38	60	98	31	129	200	98	102	....	....	....	....
"	A to M	"	3	56	84	140	60	260	225	141	84	1	....	....	....
"	N to Z	"	3	16	44	60			225	60	165	....	....	....	....
"	A to M	"	4	110	78	188	129	432	275	189	86	1	....	....	....
"	N to Z	"	4	60	55	115			225	116	109	1	....	....	....
"		"	5	78	57	135	57	192	250	135	115	....	....	....	....
"	A to M	"	6	69	88	157	98	325	225	157	68	....	....	....	....
"	N to Z	"	6	18	52	70			225	70	155	....	....	....	....
Wellington	A to M	"	1	65	74	139	134	356	225	141	84	2	....	....	....
"	N to Z	"	1	51	32	83			225	84	141	....	1	....	....
"	A to M	"	2	74	81	155	90	352	225	156	69	1	....	....	....
"	N to Z	"	2	68	39	107			225	107	118	....	....	....	....
Bloomfield	A to M	"	1	71	118	189	127	438	275	189	86	....	....	....	....
"	N to Z	"	1	58	64	122			275	122	153	....	....	....	....
Sophiasburg	A to M	"	1	57	53	110	120	291	225	111	114	1	....	....	....
"	N to Z	"	1	29	32	61			225	61	164	....	....	....	....
"	A to M	"	2	54	82	136	112	332	225	136	89	....	....	....	....
"	N to Z	"	2	21	63	84			225	84	141	....	....	....	....
"		"	3	81	106	187	73	260	350	187	162	1	....	....	....
"		"	4	56	125	181	86	267	325	181	144	....	....	....	....
Athol	A to M	"	1	83	76	159	120	386	225	160	65	1	....	....	....
"	N to Z	"	1	60	47	107			250	111	139	1	2	....	....
"		"	2	53	98	151	47	198	275	153	122	2	....	....	....
"		"	3	54	48	102	29	131	200	102	98	....	....	....	....
North Marysburg	A to M	"	1	50	59	109	78	274	225	112	113	3	....	....	....
"	N to Z	"	1	43	44	87			200	89	111	2	....	....	....
"		"	2	70	70	140	63	203	276	141	135	....	1	....	....
"		"	3	59	93	152	47	189	275	167	108	3	....	....	....
South Marysburg		"	1	76	87	163	55	218	275	162	111	....	1	....	....
"		"	2	82	102	184	68	252	300	185	115	1	....	....	....
"		"	3	91	73	164	67	231	275	167	108	3	....	....	....
Picton	A to M	"	1	87	87	174	68	380	250	174	76	....	....	....	....
"	N to Z	"	1	66	44	110			250	112	138	....	....	2	....
"	A to M	"	2	104	89	193	120	447	275	195	80	2	....	....	....
"	N to Z	"	2	69	65	134			275	136	139	2	....	....	....
"	A to M	"	3	96	86	182	155	479	275	183	92	1	....	....	....
"	N to Z	"	3	72	70	142			275	142	133	....	....	....	....
"	A to M	"	4	84	73	157	69	330	225	158	67	1	....	1	....
"	N to Z	"	4	47	57	104			225	105	120	....	....	....	....
"	A to M	"	5	76	56	132	88	296	200	133	67	1	....	....	....
"	N to Z	"	5	51	25	76			200	77	123	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Prince Edward. —*Con*.....		Colliver	Parliament										
	Picton.....A to M No. 6	75	73	148	98	304	225	150	75	2	....	....	....
	" .....N to Z " 6	26	32	58			225	59	165	1	....	....	....
	" .....A to M " 7	134	81	215	143	444	225	219	6	3	1	....	....
	" .....N to Z " 7	58	28	86			275	86	189	....	....	....	....
	Totals.....	4,039	4,020	8,059		11,407	15,201						
	Majority for Colliver.....	19											
		Callaghan	Callan	Mathieu									
Rainy River.....	Unorganized.												
	Kawene.....No. 1	3	4	13	21	25	46	50	21	29	1	....	....	....
	Atikokan..... " 1	4	66	21	92	40	132	150	93	57	1	....	1	....
	Flanders..... " 1	9	3	7	19	25	44	50	19	31	....	....	....	....
	Camp One..... " 1	4	5	17	26	35	61	75	27	48	....	1	....	....
	Beaver House Dam..... " 1	1	.....	10	11	7	18	50	11	39	....	....	....	....
	Mine Centre..... " 1	7	9	44	61	65	126	150	61	89	1	....	....	....
	Farrington..... " 1	9	.....	1	10	3	13	25	10	15	....	....	....	....
	Bear's Pass..... " 1	9	.....	11	20	25	45	50	20	30	....	....	....	....
	Rocky Inlet..... " 1	4	6	15	25	31	56	75	25	50	....	....	....	....
	Border..... " 1	2	4	73	84	91	175	200	86	114	5	1	1	....
	Fort Frances..... " 1	6	5	26	38	14	52	75	39	36	1	....	1	....
	Kettle Falls..... " 1	2	2	13	17	15	32	50	17	33	....	....	....	....
	Miscampbell..... " 1	5	2	20	27	2	29	50	27	23	....	....	....	....

Dance	"	1	4	11	1	16	10	26	50	16	34				
Kingsford	"	1		25	7	32	27	59	75	32	43				
Nelles	"	1	4	6	7	17	26	33	50	17	33				
"	"	2	11	2	8	22	10	32	50	22	28	1			
Sifton and Dewart	"	1	1	5	11	17	39	56	75	17	58				
Sutherland	"	1	2	9	9	20	12	32	50	21	29		1		
Bergland	"	1	11	36	24	71	55	126	150	71	79				
Morson	"	1	8	12	21	42	33	75	100	42	58	1			
Minahico	"	1	6	1	11	18	9	27	50	18	32				
Gameland	"	1	1	4	23	28	5	33	50	28	22				
McInnes Creek	"	1	3	10	7	20	4	24	50	20	30				
Harris Hill (Spohn) Organized.	"	1	2		22	24	8	32	50	24	26				
Fort Frances	"	1	55	64	51	173	54	227	250	173	77	3			
"	"	2	54	57	82	193	83	276	300	195	105		1	1	
"	"	3	39	58	69	167	65	232	275	167	108	1			
"	"	4	26	42	81	151	58	209	225	153	72	2	2		
"	"	5	25	41	80	147	49	196	225	148	77	1	1		
"	"	6	40	58	76	175	69	244	275	177	98	1	2		
McIrvine	"	1	13	18	11	42	31	73	100	42	58				
Alberton	"	1	14	25	18	57	36	93	100	57	43				
"	"	2	22	12	22	56	26	82	100	56	44				
Lavallee (Big Fork)	"	1	4	31	5	40	24	64	75	40	35				
" (Devlin)	"	1	2	65	18	85	23	108	125	85	40				
" (Lavallee)	"	1	7	44	20	71	32	103	125	71	54				
" (Warsaw)	"	1	1	12	23	36	23	59	75	36	39				
" (Burriss)	"	1	3	49	11	63	27	90	100	63	37				
Emo (Aylesworth)	"	1		16	20	36	15	51	75	36	39				
" A to L	"	2	12	108	92	212	146	358	375	213	162		1		
" M to Z	"	2	6	65	92	163	112	275	300	163	136				
" (Barnhart)	"	1	2	10	11	23	17	40	50	23	27				
Chapple	"	1	27	105	48	181	61	242	250	181	69	1			
"	"	2	2	26	13	41	22	63	75	41	34				
"	"	3	13	32	10	55	23	78	100	55	45				
"	"	4	1	6	5	12	24	36	50	12	38				
"	"	5	10	25	10	46	20	66	75	46	29	1			
"	"	6	2	40	13	55	20	75	100	55	45				
"	"	7		8	4	12	15	27	50	12	38				
"	"	8		16	11	27	25	52	75	27	50				
"	"	9	1	14		15	28	43	50	15	35				
"		10	6	5	7	18	33	51	75	18	57				
Morley	"	1	53	25	91	169	56	225	250	169	81				
Pattullo	"	1	18	26	14	58	24	82	100	58	42				
Dilke	"	1	49	15	27	91	34	125	150	91	59				
Blue	"	1	11	31	1	43	41	84	100	43	57				

N. L. Croome,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

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Rainy River. —*Con*.....		Callaghan	Callan	Mathieu										
	Worthington.....No. 1	28	31	6	65	23	88	100	65	35	....	....	....	....
	Atwood..... " 1	21	34	28	83	25	108	125	85	40	....	....	2	....
	Rainy River (Town Hall).... " 1	29	125	50	204	120	324	350	204	146	....	....	....	....
	" (Corona)..... " 1	26	104	45	175	102	277	300	175	125	....	....	....	....
	Railway Poll.....	.....	68	3	71	.....	.....	125	71	54	....	....	....	....
	Totals.....	740	1,738	1,590	4,089	2,121	6,210	7,500	4,105	3,396	21	10	6	....
	Majority for Callan.....		148											
		Stuart		Warren										
Renfrew, North..	Alice and Fraser.....No. 1	60		99	164	130	294	300	165	135	5	....	1	....
	" ..... " 2	68		61	136	89	225	250	136	114	4	....	....	....
	" ..... " 3	46		105	153	145	298	300	153	147	2	....	....	....
	" ..... " 4	22		109	132	79	211	225	133	92	1	1	....	....
	Algona, North..... " 1	100		71	176	155	331	350	176	174	5	....	....	....
	" " ..... " 2	2		33	36	55	91	100	36	64	1	....	....	....
	" South..... " 1	41		115	157	60	217	225	158	67	1	1	....	....
	" " ..... " 2	11		44	60	78	138	150	60	90	5	....	....	....
	Bromley..... " 1	59		117	176	76	252	275	177	98	....	1	....	....
	" .....A to K " 2	61		76	138	49	187	200	138	62	1	....	....	....
	" .....L to Z " 2	137		75	212	77	289	300	212	88	....	....	....	....
	" ..... " 3	31		48	79	23	102	125	79	46	....	....	....	....
	" ..... " 4	29		88	119	46	165	175	119	56	2	....	....	....

Cobden	A to K	"	1	110	33	143	93	236	250	144	106	....	1	....	....
"	L to Z	"	1	107	43	151	84	235	250	151	99	1	....	....	....
Pembroke, E. Ward	A to B	"	1	116	27	143	69	212	225	143	82	....	....	....	....
" "	C to E	"	1	93	54	148	98	246	250	148	102	1	....	....	....
" "	F to I	"	1	145	36	181	105	286	300	181	119	....	....	....	....
" "	J to L	"	1	83	20	104	89	193	200	104	96	1	....	....	....
" "	M to O	"	1	92	56	150	126	276	300	152	148	2	1	1	....
" "	P to S	"	1	139	45	187	133	320	325	188	137	3	1	....	....
" "	T to Z	"	1	92	23	115	59	174	175	115	60	....	....	....	....
" C. "	A to B	"	1	81	29	111	80	191	200	111	89	1	....	....	....
" "	C to F	"	1	103	47	150	140	290	300	150	150	....	....	....	....
" "	G to K	"	1	90	49	140	89	229	250	140	110	1	....	....	....
" "	L to O	"	1	109	70	179	148	327	350	179	171	....	....	....	....
" "	P to S	"	1	105	53	158	130	288	300	159	141	....	1	....	....
" "	T to Z	"	1	67	24	91	66	157	175	91	84	....	....	....	....
" W. "	A to C	"	1	100	51	152	108	260	275	152	123	1	....	....	....
" "	D to G	"	1	88	56	146	118	264	275	146	129	2	....	....	....
" "	H to K	"	1	59	53	112	96	208	225	113	112	....	1	....	....
" "	L to O	"	1	118	57	175	127	302	325	180	145	....	3	2	....
" "	P to S	"	1	95	63	158	155	313	325	160	165	....	2	....	....
" "	T to Z	"	1	68	29	100	68	168	175	100	75	3	....	....	....
Pembroke Tp		"	1	86	70	156	53	209	225	159	66	....	3	....	....
Petawawa	A to M	"	1	76	60	136	107	243	250	137	113	....	....	1	....
"	Mc to Z	"	1	47	55	102	82	184	200	102	98	....	....	....	....
Rolph, Buchanan & Wylie		"	1	33	53	86	71	157	175	86	89	....	....	....	....
" "	A to K	"	2	69	38	107	70	177	200	107	93	....	....	....	....
" "	L to Z	"	2	96	29	125	65	190	200	126	74	....	1	....	....
Ross		"	1	71	84	155	77	232	250	155	95	....	....	....	....
"	A to K	"	2	45	107	152	91	243	275	152	123	....	....	....	....
"	L to Z	"	2	55	84	140	83	223	250	140	110	1	....	....	....
"		"	3	40	166	207	104	311	325	207	119	1	....	....	....
Stafford		"	1	105	134	239	36	275	300	239	61	....	....	....	....
"		"	2	14	122	138	55	193	200	138	62	2	....	....	....
"		"	3	45	21	71	54	125	150	71	79	5	....	....	....
Westmeath	A to K	"	1	81	151	236	93	329	350	236	114	4	....	....	....
"	L to Z	"	1	102	94	199	79	278	300	199	101	3	....	....	....
"		"	2	65	114	179	49	228	250	180	70	....	1	....	....
"	A to K	"	3	44	71	116	62	178	200	116	84	1	....	....	....
"	L to Z	"	3	35	75	118	88	206	225	119	106	8	1	....	....
"		"	4	82	119	203	33	236	250	204	46	2	....	1	....
"		"	5	16	123	143	69	212	225	143	82	4	....	....	....
Wilberforce	A to K	"	1	39	84	123	26	149	175	123	52	....	....	....	....
"	L to Z	"	1	48	67	115	42	157	175	115	60	....	....	....	....
"	A to M	"	2	73	86	162	30	192	200	163	37	3	1	....	....

J. A. CAMPBELL,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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		Stuart	Warren											
Renfrew, North. —*Con*	Wilberforce.....Mc to Z No. 2	64	79		148	42	190	200	148	52	5	....	....	....
	" ..... " 3	71	78		150	62	212	225	150	75	1	....	....	....
	Indian Reserve.....	6	1		7	2	9	25	7	18	....	....	....	....
	Totals.....	4,235	4,127		8,445	4,868	13,313	14,225	8,471	5,755	83	20	6	....
	Majority for Stuart.....	108												
		Carty	Costello	McCann										
Renfrew, South ..	Admaston.....No. 1	135	1	4	140	66	206	225	140	85	....	....	....	225
	" ..... " 2	135	10	26	171	61	232	250	171	79	....	....	....	250
	" ..... " 3	66	29	37	132	56	188	225	133	92	1	....	....	225
	" ..... " 4	115	12	11	138	31	169	176	138	38	....	....	....	176
	" ..... " 5	57	19	5	81	19	100	125	81	44	....	....	....	125
	" ..... " 6	28	5	1	34	12	46	50	34	16	....	....	....	50
	Bagot and Blythfield..... " 7	78	87	36	201	103	304	325	201	124	....	....	....	325
	" ..... " 8	53	7	.....	60	14	74	75	60	15	....	....	....	75
	" ..... " 9	27	4	5	36	8	44	50	36	14	....	....	....	50
	" ..... " 10	52	11	2	65	17	82	100	65	35	....	....	....	100
	" ..... " 11	26	5	2	33	17	50	75	33	42	....	....	....	75
	Brougham..... " 12	50	51	6	107	34	141	151	107	44	....	....	....	151
	" ..... " 13	26	23	7	56	23	79	100	56	44	....	....	....	100
	" ..... " 14	38	.....	19	57	5	62	75	57	18	....	....	....	75
	Grattan..... " 15	92	41	20	153	83	236	250	153	95	1	1	....	250

"	"	16	63	28	14	105	52	157	175	106	69	....	....	....	175
" (Eganville)	"	17	101	25	80	206	24	230	250	209	41	3	....	....	250
" "	"	18	62	11	55	128	52	182	250	130	120	2	....	....	250
Eganville	"	19	37	102	123	262	23	285	350	263	87	1	....	....	350
"	"	19	37	63	86	186	91	277	351	186	65	....	....	....	351
Sebastopol	"	20	111	18	49	180	78	258	276	180	96	2	....	....	276
Brudenell	"	21	132	17	20	169	93	262	275	169	106	....	....	....	275
"	"	22	69	1	5	75	49	124	125	75	50	....	....	....	125
"	"	23	56	24	66	146	22	168	176	146	30	....	....	....	176
Griffith	"	24	38	9	4	51	17	68	75	51	24	....	....	....	75
Matawatchan	"	25	54	41	9	104	39	143	150	104	46	....	....	....	150
Killaloe	"	26	102	49	82	233	59	292	300	233	67	....	....	....	300
Hagarty and Old Killaloe	"	27	110	36	76	224	110	334	350	224	126	2	....	....	350
Hagarty and Wilno	"	28	75	28	78	183	221	404	426	183	243	....	2	....	426
Sherwood and Burns	"	29	25	17	60	103	124	227	250	103	147	1	....	....	250
Hagarty and Richards	"	30	42	38	10	91	68	159	175	91	84	1	....	....	175
Sherwood and Jones	"	31	109	129	218	461	158	619	625	461	164	4	1	....	625
Radcliff	"	32	65	34	37	136	132	268	275	136	139	....	....	....	275
Raglan	"	33	73	27	101	204	158	362	375	204	171	3	....	....	375
"	"	34	1	19	.....	20	15	35	50	20	30	....	....	....	50
Horton	"	35	228	34	19	283	84	367	375	283	92	....	2	....	375
"	"	36	56	18	33	108	48	156	175	108	67	....	....	1	175
"	"	37	112	11	6	129	39	168	176	129	47	....	....	....	176
McNab	"	38	93	20	12	125	46	171	175	125	50	....	....	....	175
"	"	39	124	15	11	151	64	215	225	151	74	1	....	....	225
"	"	40	71	18	30	119	88	207	225	119	106	....	....	....	225
"	"	41	59	10	4	74	73	147	150	74	76	1	....	....	150
"	"	42	28	64	85	179	114	293	300	179	121	2	....	....	300
"	"	43	83	16	7	106	1	107	125	106	19	....	....	....	125
"	"	44	70	36	19	125	81	206	225	125	100	....	....	....	225
"	"	45	25	82	80	187	141	328	350	187	163	....	....	....	350
Arnprior	"	46	16	85	58	160	126	286	350	160	190	1	....	....	350
"	"	46	25	87	35	148	156	304	375	148	227	1	....	....	375
"	"	47	10	70	135	219	138	357	425	219	206	3	1	....	425
"	"	47	12	60	57	130	84	214	275	130	145	1	....	....	275
"	"	47	8	75	66	151	108	259	325	151	174	2	....	....	325
"	"	48	8	82	61	154	126	280	350	154	196	2	1	....	350
"	"	48	2	72	56	134	95	229	300	134	166	3	....	1	300
"	"	48	15	100	74	192	129	321	375	192	183	3	....	....	375
"	"	48	10	63	54	128	88	216	275	128	147	....	1	....	275
Renfrew	"	49	12	114	65	192	85	277	300	192	108	1	....	....	300
"	"	49	26	99	80	206	67	273	275	206	69	1	....	....	275
"	"	49	26	92	63	181	76	257	275	181	94	....	....	....	275
"	"	49	18	93	31	143	52	195	225	143	82	1	....	....	225
"	"	50	35	73	63	171	40	211	225	171	54	....	....	....	225

R. G. Wilson,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Votes at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Carty	Costello	McCann										
Renfrew, South. —*Con.*	Renfrew..... No. 50	17	77	76	170	63	233	250	170	80	....	....	....	250
	" ..... " 50	29	94	74	198	57	257	275	198	77	1	....	....	275
	" ..... " 50	14	72	51	139	66	205	225	139	86	....	2	....	225
	" ..... " 51	20	91	87	198	77	275	300	198	102	....	....	....	300
	" ..... " 51	20	87	89	196	69	265	276	196	80	....	....	....	276
	" ..... " 51	33	62	58	153	54	207	225	153	72	....	....	....	225
	" ..... " 51	8	51	75	134	60	194	200	134	66	....	....	....	200
	Totals.....	3,653	3,044	3,068	9,814	4,699	14,547	16,133	9,822	6,209	45	11	2	16,133
	Majority for Carty.....	585												
		Farrell	Lyon	Oakley										
Riverdale.....	Ward 1..... No. 6	6	11	90	109	143	252	250	109	141	2	....	....	....
	" ..... " 7	18	4	161	183	254	437	425	183	242	....	....	....	....
	" ..... " 8	18	5	85	109	193	302	300	109	191	1	....	....	....
	" ..... " 9	9	4	101	115	208	323	325	116	209	1	1	....	....
	" ..... " 10	6	5	68	81	204	285	275	81	194	2	....	....	....
	" ..... " 11	9	5	84	98	164	262	250	98	152	....	....	....	....
	" ..... " 12	8	10	81	102	159	261	250	102	148	3	....	....	....
	" ..... " 13	3	2	83	88	195	283	275	89	186	....	1	....	....
	" ..... " 32	13	6	112	134	312	446	450	134	316	3	....	....	....
	" ..... " 54	14	10	117	146	354	500	500	146	354	5	....	....	....
	" ..... " 55	13	5	82	102	207	309	300	103	197	2	1	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.		Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
						Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Farrell	Lyon	Oakley										
Riverdale. —*Con.*	Ward 1	No. 101	20	9	103	134	170	304	325	134	191	2	....	....	....
	"	" 102	18	19	53	90	176	266	250	90	160	....	....	....	....
	"	" 103	19	16	79	116	222	338	325	116	209	2	....	....	....
	"	" 104	14	5	61	80	164	244	250	80	170	....	....	....	....
	"	" 116	37	11	118	168	231	399	400	168	232	2	....	....	....
	"	" 117	12	2	65	80	122	202	200	80	120	1	....	....	....
	"	" 118	20	22	82	125	208	333	325	125	200	1	....	....	....
	"	" 119	14	7	90	111	215	326	325	111	214	....	....	....	....
	"	" 120	20	14	101	138	160	298	300	138	162	3	....	....	....
	"	" 121	9	18	94	124	239	363	350	124	226	3	....	....	....
	"	" 122	8	18	79	107	231	338	325	107	218	2	....	....	....
	"	" 123	6	20	106	132	202	334	325	132	193	....	....	....	....
	"	" 124	17	4	74	96	155	251	250	96	154	1	....	....	....
	"	" 125	7	10	84	103	235	338	325	103	222	2	....	....	....
	"	" 126	8	12	83	103	230	333	325	103	222	....	....	....	....
	"	" 127	10	8	75	96	200	296	300	96	204	3	....	....	....
	"	" 128	12	17	83	112	218	330	325	112	213	....	....	....	....
	"	" 129	24	6	61	93	203	296	300	94	206	2	1	....	....
	Ward 8	" 1	7	4	100	111	244	355	350	112	238	....	1	....	....
	"	" 2	12	17	128	160	280	440	425	160	265	3	....	....	....
	"	" 11	16	6	84	108	278	386	375	108	267	*2	....	....	....
	"	" 12	6	6	67	79	214	293	300	80	220	....	1	....	....
	"	" 13	10	11	121	147	267	414	400	147	253	5	....	....	....
	"	" 14	8	14	120	146	223	369	350	146	204	4	....	....	....
	"	" 15	4	9	126	141	222	363	350	142	208	2	1	....	....
	"	" 16	12	34	93	143	242	385	375	143	232	4	....	....	....

"	"	17	10	11	85	106	209	315	300	106	194				
"	"	18	12	15	97	129	221	350	350	129	221	5			
"	"	19	16	6	80	103	292	395	400	103	297	1			
"	"	20	4	11	99	114	170	284	275	116	159			2	
"	"	21	5	4	66	75	137	212	200	75	125				
"	"	22	24	7	58	92	196	288	300	92	208	3			
"	"	23	2	5	78	90	175	265	275	90	185	5			
"	"	24	8	14	112	136	195	331	325	136	189	2			
"	"	25	3	25	97	129	172	301	300	129	171	4			
"	"	26	1	12	31	44	100	144	150	44	106				
"	"	27	9	3	74	86	289	375	375	86	289				
"	"	28	10	22	109	143	353	496	500	143	357	2			
"	"	29	19	11	118	148	257	405	400	148	252				
"	"	30	16	8	87	112	168	280	275	112	163	1			
"	"	31	7	13	93	113	189	302	300	113	187				
"	"	32	7	9	78	96	187	283	275	97	178	2	1		
"	"	33	18	7	75	100	240	340	325	100	225				
"	"	34	14	6	117	138	182	320	325	138	187	1			
"	"	35	6	5	91	102	182	284	275	102	173				
"	"	36	15	4	66	87	213	300	300	87	213	2			
"	"	58	13	12	62	88	268	356	350	88	262	1			
"	"	59	1	4	51	56	230	286	275	57	218		1		
"	"	60	11	8	86	105	247	352	350	105	245				
"	"	61	11	9	111	133	318	451	450	134	316	2	1		
"	"	62	19	5	89	114	204	318	325	115	210	1		1	
"	"	63	21	20	94	137	210	347	350	138	212	2	1		
"	"	64	6	4	28	38	165	203	200	38	162				
"	"	65	9	12	59	80	158	238	225	82	143			2	
"	"	66	13	2	68	83	224	307	300	83	217				
"	"	81	5	15	122	143	170	313	300	143	157	1			
"	"	82	4	22	70	100	164	264	250	100	150	4			
"	"	83	4	26	90	120	253	373	375	121	254		1		
"	"	84	11	9	78	99	214	313	300	100	200	1		1	
"	"	85	12	12	61	85	188	273	275	85	190				
"	"	86–87	29	15	132	176	325	501	500	176	324				
"	"	88–89	21	4	136	161	308	469	450	161	289				
"	"	90	6	14	76	96	278	374	375	96	279				
"	"	91	8	21	79	109	207	316	300	109	191	1			
"	"	92	11	7	94	115	249	364	350	115	235	3			
"	"	93	9	10	120	139	252	391	400	139	261				
Special—Railway			1	1	8	10			250	10	240				
Totals			1,765	1,169	11,074	14,172	25,717	39,879	39,575	14,198	25,377	164	19	7	
Majority for Oakley					9,309										

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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		Belanger	Landry										
Russell	Osgoode Tp. No. 1	18	21	43	139	172	175	44	131	....	1	....	....
	" " 2	41	1	45	140	185	200	45	155	....	....	....	....
	" " 3	3	6	10	139	149	150	10	140	....	....	....	....
	" " 4	6	15	23	268	291	300	23	277	....	....	....	....
	" " 5	.....	29	30	93	123	125	31	94	1	....	1	....
	" " 6	16	14	31	194	225	250	31	219	1	....	....	....
	" " 7	36	4	41	95	136	150	41	109	....	....	....	....
	" " 8	2	6	8	127	135	150	8	142	....	....	....	....
	" " 9	23	16	39	218	257	275	39	236	....	....	....	....
	" " 10	34	12	46	213	259	225	46	179	....	....	....	....
	" " 11	6	36	42	179	221	225	42	183	....	....	....	....
	" " 12	37	21	59	167	226	257	59	198	....	....	....	....
	" " 13	7	9	19	152	171	175	19	156	....	....	....	....
	Gloucester Tp. " 1 A	72	8	82	89	171	175	82	93	2	....	....	....
	" " 1 B	53	8	61	110	171	175	61	114	....	....	....	....
	" " 2 A	45	8	55	55	110	126	55	71	....	....	....	....
	" " 2 B	19	16	38	128	164	175	38	137	....	1	1	....
	" " 3 A	21	6	29	88	117	125	29	96	....	....	....	....
	" " 3 B	9	5	15	96	111	125	15	110	....	....	....	....
	" " 4 A	21	13	35	138	173	175	35	140	....	....	....	....
	" " 4 B	11	9	20	83	103	125	20	105	....	....	....	....
	" " 5	18	44	64	131	195	199	64	135	1	....	....	....
	" " 6	22	35	57	155	212	225	58	167	....	....	1	....
	" " 7	.....	29	29	94	123	123	29	94	....	....	....	....
	" " 8	11	33	47	185	232	250	47	203	....	....	....	....

SAMUEL NEWTON,
Returning Officer.

"	"	9	34	55	93	100	193	200	93	107	4	....	....	....
"	"	10 A	46	3	49	212	261	175	49	126	....	....	....	....
"	"	10 B	52	9	61	62	123	125	62	63	....	1	....	....
"	"	11	25	14	39	161	200	225	39	186	....	....	....	....
"	"	12 A	26	13	43	145	188	299	44	254	....	....	1	....
"	"	12 B	39	16	56	159	215	223	56	167	1	....	....	....
"	"	13	34	7	42	70	112	125	43	82	1	....	1	....
"	"	14	30	13	43	86	129	150	43	107	....	....	....	....
"	"	15 A	51	6	59	124	183	200	59	141	2	....	....	....
"	"	15 B	32	10	42	154	196	200	42	158	....	....	....	....
Eastview	"	1 A	52	6	61	107	168	175	61	114	1	....	....	....
"	"	1 B	27	9	38	114	152	175	38	137	1	....	....	....
"	"	2 A	82	8	96	199	295	300	97	203	2	1	....	....
"	"	2 B	39	2	42	116	158	174	43	131	....	1	....	....
"	"	3 A	87	8	97	75	172	200	97	103	2	....	....	....
"	"	3 B	36	2	43	113	156	175	43	132	1	....	....	....
"	"	4 A	87	5	93	88	181	200	94	106	....	1	....	....
"	"	4 B	29	2	31	118	149	176	31	145	....	....	....	....
"	"	5 A	97	2	107	164	271	300	107	193	3	....	....	....
"	"	5 B	56	1	57	64	121	150	57	93	....	....	....	....
"	"	5 C	36	2	39	61	100	125	39	86	1	....	....	....
"	"	6 A	243	3	250	4	254	272	250	22	....	....	....	....
"	"	6 B	51	.....	51	140	191	225	51	174	....	....	....	....
"	"	6 C	89	.....	90	40	130	150	90	60	1	....	....	....
Cambridge	"	1 A	69	25	95	102	197	200	95	105	....	....	....	....
"	"	1 B	38	15	55	74	129	150	55	95	2	....	....	....
"	"	2 A	42	54	97	126	223	225	97	128	....	....	....	....
"	"	2 B	38	18	58	62	120	125	58	67	1	....	....	....
"	"	3 A	84	5	89	82	171	170	89	81	....	....	....	....
"	"	3 B	35	21	57	58	115	125	57	68	1	....	....	....
"	"	4	56	12	69	151	220	225	69	156	1	....	....	....
"	"	5	14	29	44	92	136	150	44	106	....	....	....	....
"	"	6	30	6	38	74	112	125	38	87	....	....	....	....
Russell	"	1	8	11	20	129	149	150	20	130	....	....	....	....
"	"	2	8	11	21	180	201	225	21	204	....	....	....	....
"	"	3 A	8	8	16	156	172	175	16	159	....	....	....	....
"	"	3 B	13	2	15	124	139	100	15	85	....	....	....	....
"	"	4	2	7	10	147	157	175	10	165	....	....	....	....
"	"	5	3	52	55	49	104	125	55	70	....	....	....	....
"	"	6	13	32	45	62	107	125	45	80	....	....	....	....
"	"	7	29	33	62	134	196	200	62	138	....	....	....	....
"	"	8 A	71	32	105	143	248	251	106	145	1	1	....	....
"	"	8 B	82	24	106	149	255	275	107	168	....	1	....	....
"	"	9	5	22	27	116	143	150	27	123	....	....	....	....
Clarence	"	1 A	68	29	99	115	214	225	99	126	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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		Belanger	Landry										
Russell. —*Con.*	Clarence No. 1 B	70	19	89	89	178	200	89	111	....	....	....	....
	" " 2 A	73	9	82	65	147	150	82	68	....	....	....	....
	" " 2 B	125	8	134	61	195	200	134	66	1	....	....	....
	" " 3	38	20	60	108	168	175	60	115	....	....	....	....
	" " 4	63	7	74	85	159	175	75	100	....	1	....	....
	" " 5 A	41	40	84	63	147	150	84	66	3	....	....	....
	" " 5 B	44	35	82	65	147	150	83	67	....	1	....	....
	" " 6	82	22	104	96	200	200	104	96	....	....	....	....
	" " 7	27	4	32	55	87	100	32	68	....	....	....	....
	" " 8	101	12	113	58	171	175	113	62	....	....	....	....
	" " 9	56	4	60	78	138	150	60	90	....	....	....	....
	" " 10	28	22	50	65	115	125	50	75	....	....	....	....
	" " 11	45	32	77	49	126	150	77	73	....	....	....	....
	" " 12	31	5	36	83	119	125	36	89	....	....	....	....
	Rockland " 1 A	123	4	127	105	232	250	127	123	....	....	....	....
	" " 1 B	111	4	121	100	221	225	121	104	4	....	....	....
	" " 1 C	50	5	56	44	100	125	56	69	1	....	....	....
	" " 2 A	94	5	101	119	220	225	101	124	2	....	....	....
	" " 2 B	109	3	114	60	174	175	115	60	2	1	....	....
	" " 2 C	80	5	85	87	172	175	85	90	....	....	....	....
	" " 3 A	96	2	98	98	196	200	98	102	....	....	....	....
	" " 3 B	94	3	97	55	152	175	97	78	....	....	....	....
	Casselman " 1 A	79	18	100	131	231	250	101	149	....	....	1	....
	" " 1 B	104	20	126	145	271	275	126	149	....	....	....	....
	Cumberland " 1 A	12	14	26	137	163	175	26	149	....	....	....	....

"	"	1 B	20	18	38	115	153	175	38	137	....	....	....	....
"	"	2	.....	31	48	76	124	125	48	77	....	....	....	....
"	"	3	37	22	59	87	146	150	59	91	....	....	....	....
"	"	4 A	10	22	32	97	129	150	32	118	....	....	....	....
"	"	4 B	15	35	51	93	144	150	51	99	1	....	....	....
"	"	5	9	19	28	50	78	100	28	72	....	....	....	....
"	"	6 A	28	58	87	73	160	175	87	88	1	....	....	....
"	"	6 B	22	44	67	129	196	200	67	133	1	....	....	....
"	"	7	23	36	59	78	137	150	59	91	....	....	....	....
"	"	8	37	36	73	123	196	200	74	126	....	1	....	....
"	"	9	34	31	67	124	191	200	67	133	....	....	....	....
"	"	10	10	2	12	44	56	75	12	63	....	....	....	....
Totals			4,648	1,724	6,520	11,657	18,177	19,369	6,538	12,831	47	12	6	....
Majority for Belanger			2,924	Note: Charrier, who resigned after ballots were printed, received 101 votes.										

G. Arthur Welstead,
Returning Officer.

				Graves	Greenlaw	Mussen									
St. Catharines....	Division	No.	1	74	14	104	195	54	249	251	195	56	3	....	....	....
"	"	"	2	90	7	97	197	68	265	275	197	78	3	....	....	....
"	"	"	3	111	15	101	230	53	283	300	230	70	3	....	....	....
"	"	"	4 A	93	11	46	153	128	281	300	153	147	3	....	....	....
"	"	"	4 B	60	12	47	123	98	221	225	123	102	....	1	3	....
"	"	"	5 A	40	28	32	100	96	196	200	100	100	....	....	....	....
"	"	"	5 B	45	35	38	118	107	225	200	118	82	....	....	....	....
"	"	"	6	71	31	39	141	171	312	300	141	159	....	....	....	....
"	"	"	7	74	9	38	121	97	218	199	121	78	....	....	....	....
"	"	"	8 A	41	32	20	93	133	226	250	93	157	....	....	....	....
"	"	"	8 B	64	31	20	116	97	213	200	116	84	1	....	....	....
"	"	"	9	26	58	8	95	113	208	200	95	105	3	....	....	....
"	"	"	10	27	19	53	101	151	252	250	101	149	2	....	....	....
"	"	"	11 A	34	10	29	76	104	180	200	76	124	3	....	....	....
"	"	"	11 B	24	12	23	59	101	160	200	59	141	....	....	....	....
"	"	"	12	64	10	9	83	112	195	200	83	117	....	....	....	....
"	"	"	13	66	27	36	132	196	328	300	132	168	3	....	....	....
"	"	"	14 A	44	12	20	77	86	163	176	77	99	1	....	....	....
"	"	"	14 B	56	11	12	79	96	175	200	79	121	....	....	....	....
"	"	"	15 A	67	15	33	115	85	200	200	115	85	....	....	....	....
"	"	"	15 B	54	15	38	109	96	205	200	109	91	2	....	....	....
"	"	"	16 A	61	11	25	97	137	234	225	97	128	....	....	....	....
"	"	"	16 B	50	21	30	101	88	189	200	101	99	....	....	....	....
"	"	"	17 A	71	29	33	138	159	297	250	138	112	5	....	....	....
"	"	"	17 B	73	8	27	112	128	240	250	112	138	3	1	....	....
"	"	"	18 A	88	12	37	138	114	252	250	138	112	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Graves	Greenlaw	Mussen										
St. Catharines. —*Con.*	Division ..... No. 18 B	68	13	40	121	111	232	250	121	129	....	....	....	....
	" ..... " 19 A	53	4	68	125	101	226	250	125	125	....	....	....	....
	" ..... " 19 B	39	6	53	104	85	189	200	104	96	2	2	2	....
	" ..... " 20 A	35	15	66	118	85	203	200	118	82	2	....	....	....
	" ..... " 20 B	20	10	66	102	76	178	175	102	73	....	1	5	....
	" ..... " 21 A	52	20	60	134	102	236	225	134	91	2	....	....	....
	" ..... " 21 B	62	10	41	117	73	190	190	117	73	2	....	....	....
	" ..... " 22 A	41	16	31	93	117	210	200	93	107	5	....	2	....
	" ..... " 22 B	61	4	25	92	115	207	199	92	107	2	....	....	....
	" ..... " 23	70	7	45	122	145	267	275	122	153	....	....	....	....
	" ..... " 24 A	41	7	24	72	132	204	200	72	128	....	....	....	....
	" ..... " 24 B	33	12	27	74	104	178	175	74	101	2	....	....	....
	" ..... " 25 A	56	29	57	144	173	317	300	144	156	2	....	....	....
	" ..... " 25 B	61	10	51	122	110	232	225	122	103	....	....	....	....
	" ..... " 26 A	108	2	34	145	90	235	250	145	105	1	....	....	....
	" ..... " 26 B	93	5	55	153	106	259	300	153	147	....	....	....	....
	" ..... " 27 A	45	12	34	91	121	212	200	91	109	....	....	....	....
	" ..... " 27 B	49	16	33	98	95	193	200	99	101	....	....	....	....
	" ..... " 28 A	71	27	40	144	125	269	275	144	131	4	2	....	....
	" ..... " 28 B	49	15	35	99	129	228	200	99	101	....	....	....	....
	" ..... " 29 A	100	14	34	150	142	292	300	150	150	....	2	....	....
	" ..... " 29 B	66	10	42	118	142	260	275	118	157	....	....	....	....
	" ..... " 30 A	42	18	30	90	118	208	200	90	110	....	....	....	....
	" ..... " 30 B	53	9	22	86	126	212	200	86	114	2	....	....	....
	" ..... " 31 A	76	12	54	145	190	335	325	145	180	2	1	....	....

"	" 31 B	48	25	48	121	186	307	325	121	204	....	....	....	....
"	" 32 A	90	20	36	146	70	216	225	146	79	....	....	....	....
"	" 32 B	55	16	17	88	201	289	300	88	212	....	....	....	....
"	" 33 A	60	25	25	111	104	215	200	111	89	1	....	....	....
"	" 33 B	51	13	24	88	105	193	200	88	112	....	....	....	....
"	" 34 A	59	13	15	88	126	214	200	88	112	....	1	....	....
"	" 34 B	44	10	17	73	113	186	200	73	127	2	....	....	....
"	" 35 A	94	7	31	132	84	216	200	132	68	....	....	....	....
"	" 35 B	90	9	22	123	87	210	200	123	77	....	....	2	....
"	" 36 A	105	4	18	128	129	257	250	128	122	1	....	....	....
"	" 36 B	76	8	23	107	70	177	175	107	68	....	....	....	....
"	" 37 A	96	11	36	144	135	279	275	144	131	1	....	....	....
"	" 37 B	72	9	24	107	98	205	200	107	93	1	1	....	....
"	" 38 A	126	27	28	185	165	350	350	185	165	4	....	....	....
"	" 38 B	90	12	25	129	105	234	225	129	96	....	2	....	....
"	" 39 A	81	19	37	139	124	263	200	139	61	2	....	....	....
"	" 39 B	42	10	38	90	99	189	200	90	110	....	....	....	....
"	" 40 A	70	14	33	117	103	220	225	117	108	....	....	....	....
"	" 40 B	53	14	20	87	112	199	200	87	113	....	....	....	....
"	" 41 A	80	22	33	135	133	268	275	135	140	....	....	....	....
"	" 41 B	64	18	35	121	145	266	275	121	154	2	2	....	....
"	" 42 A	46	14	12	74	121	195	200	74	126	....	2	....	....
"	" 42 B	52	5	15	76	106	182	200	76	124	....	4	....	....
"	" 43 A	58	25	29	119	95	214	200	119	81	7	....	....	....
"	" 43 B	45	11	16	72	81	153	200	72	128	....	....	....	....
"	" 44 A	85	23	13	125	81	206	200	125	75	2	2	....	....
"	" 44 B	84	17	9	114	60	174	200	114	86	2	2	....	....
"	" 45 A	86	29	18	137	167	304	300	137	163	3	1	....	....
"	" 45 B	49	34	21	104	127	231	225	104	121	....	....	....	....
"	" 46 A	53	20	13	89	80	169	200	89	111	1	....	2	....
"	" 46 B	38	18	12	68	69	137	200	68	132	....	....	....	....
"	" 47 A	50	22	18	94	139	233	200	94	106	4	....	....	....
"	" 47 B	47	20	14	85	107	192	200	85	115	1	3	....	....
"	" 48 A	63	18	24	105	110	215	200	105	95	....	....	....	....
"	" 48 B	50	14	13	77	117	194	200	77	123	....	....	....	....
Totals		5,364	1,374	2,874	9,756	9,735	19,491	19,615	9,757	9,858	98	30	16	....
Majority for Graves		2,490												

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Cunningham	Lyons	McPhail									
Sault Ste. Marie..	Division .....A to L No. 1		4	75	89	168	292	460	475	172	303	3	....	1 ....
	" .....M to Z " 1		11	47	73	131	274	405	425	132	293	1	....	....
	" .....A to H " 2		7	95	57	159	334	493	500	161	339	....	....	2 ....
	" .....I to P " 2		10	39	84	133	141	274	275	133	142	....	....	....
	" .....Q to Z " 2		10	42	60	112	101	213	300	112	188	....	....	....
	" ..... " 3		14	66	44	124	143	267	275	125	150	1	....	....
	" .....A to L " 4		15	72	99	186	274	460	475	190	285	3	1	....
	" .....M to Z " 4		10	73	65	148	180	328	350	150	200	2	....	....
	" .....A to L " 5		11	96	61	168	248	416	425	168	257	....	....	....
	" .....M to Z " 5		13	54	71	138	343	481	500	139	361	1	....	....
	" .....A to L " 6		25	60	39	124	164	288	296	124	172	....	....	....
	" .....M to Z " 6		29	55	30	114	128	242	250	115	135	....	1	....
	" .....A to F " 7		18	87	42	147	208	355	400	151	249	3	1	....
	" .....G to L " 7		9	60	57	126	143	269	300	128	172	2	....	....
	" .....M to R " 7		21	58	63	142	246	398	400	148	257	1	....	....
	" .....S to Z " 7		12	63	32	107	147	254	275	107	168	....	....	....
	" .....A to L " 8		45	68	61	174	162	336	350	175	175	1	....	....
	" .....M to Z " 8		21	48	34	103	158	261	275	103	172	....	....	....
	" .....A to L " 9		71	91	20	182	202	384	400	184	216	2	....	....
	" .....M to Z " 9		67	84	48	199	203	402	425	203	222	3	1	....
	" .....A to H " 10		74	72	71	217	314	531	550	219	331	1	1	....
	" .....I to P " 10		44	55	55	154	224	378	400	154	246	....	....	....
	" .....Q to Z " 10		23	48	34	105	185	290	300	106	194	1	....	....
	" ..... " 11		30	36	86	152	226	378	400	157	243	3	....	2 ....

THOS. CHITTY,
Returning Officer.

" " " 12	12	44	173	229	239	468	500	239	261	10	....	....	....
" A to L " 13	55	54	39	148	236	384	400	149	251	1	....	....	....
" M to Z " 13	48	55	24	127	176	303	325	127	198	....	....	....	....
" A to H " 14	41	97	83	221	384	605	625	224	401	3	....	....	....
" I to P " 14	35	80	47	162	206	368	377	164	213	1	....	1	....
" Q to Z " 14	25	47	39	111	131	242	250	113	137	2	....	....	....
" A to H " 15	73	106	52	231	148	379	400	233	167	1	1	....	....
" I to P " 15	40	84	32	156	184	340	350	161	189	3	2	....	....
" Q to Z " 15	26	45	15	86	139	225	225	86	139	....	....	....	....
" " " 16	30	121	43	194	331	525	525	197	328	3	....	....	....
" A to L " 17	19	62	44	125	213	338	400	130	270	2	1	2	....
" M to Z " 17	15	52	36	103	161	264	275	104	171	1	....	....	....
Tp. of Korah " 1	41	16	3	60	64	124	125	64	61	4	....	....	....
" " " 2	54	38	4	96	72	168	175	96	79	....	....	....	....
" " " 3	25	19	28	72	45	117	125	72	53	....	....	....	....
" " " 4	10	24	9	43	80	123	125	44	81	1	....	....	....
Tp. of Tarentorus...A to L	23	46	11	80	29	109	125	82	43	....	....	....	....
" ...M to Z	18	39	12	69	98	167	175	71	104	2	....	....	....
Township of Prince	39	20	16	75	61	136	150	77	73	1	1	....	....
Garden River	.....	10	11	21	4	25	50	22	28	1	....	....	....
Goulais River	7	12	3	22	6	28	50	22	28	....	....	....	....
Goulais Bay	19	3	12	34	13	47	50	34	16	....	....	....	....
Pennyfather	4	5	5	14	30	44	100	14	86	....	....	....	....
Batchewana Bay	1	5	8	14	76	90	100	15	85	1	....	....	....
Bellevue	10	5	12	27	65	92	100	27	73	....	....	....	....
Glendale	7	5	11	23	54	77	100	24	76	1	....	....	....
Searchmont	5	19	52	76	85	161	175	77	98	....	1	....	....
Pangis	.....	5	7	12	24	36	50	12	38	....	....	....	....
Frater	.....	.....	4	4	8	12	25	4	21	....	....	....	....
Millwood	3	3	12	18	47	65	100	18	82	....	....	....	....
Amjigima	3	2	3	8	14	22	25	9	16	....	....	....	....
Michipicoten Harbor	.....	2	7	9	4	13	25	9	16	....	....	....	....
Michipicoten River	.....	6	22	28	24	52	73	28	45	....	....	....	....
Hawk Junction	.....	.....	12	12	19	31	50	12	38	....	....	....	....
Goudreau	3	26	22	51	13	64	75	51	24	....	....	....	....
Goudreau Mine	.....	4	13	17	5	22	25	17	8	....	....	....	....
Franz	1	5	21	27	55	82	100	29	71	2	....	....	....
Oba	1	14	19	34	21	55	75	34	41	....	....	....	....
Loch Alsh	.....	1	3	4	12	16	25	4	21	....	....	....	....
Missinabie	2	42	19	63	29	92	100	64	36	....	1	....	....
Horne Payne	29	46	20	95	143	238	237	97	140	....	....	....	....
Sault Ste. Marie—Advance Ry. Poll	2	10	9	21	.....	21	100	21	79	....	....	....	....
Hawk Junction	.....	2	1	3	.....	3	50	3	47	....	....	....	....
Horne Payne	7	4	2	13	.....	13	50	13	37	....	....	....	....
Totals	1,327	2,839	2,395	6,551	8,788	15,339	16,583	6,644	9,939	69	13	8	....
Majority for Lyons		444											

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Murdoch	Simpson	Wright									
Simcoe, Centre...	Barrie.....A to L No. 1		75	47	62	184	96	280	301	185	116	....	....	1	....
	" .....M to Z " 1		50	47	47	147	97	244	276	150	126	3	3	....	....
	" .....A to L " 2		52	85	96	238	128	366	350	238	112	5	....	....	....
	" .....M to Z " 2		44	62	116	223	132	355	375	223	151	1	1	....	....
	" .....A to L " 3		43	60	121	227	121	348	375	229	146	3	2	....	....
	" .....M to Z " 3		34	54	115	205	100	305	353	205	148	2	....	....	....
	" .....A to D " 4		49	47	97	194	68	262	300	194	106	1	....	....	....
	" .....E to K " 4		41	35	86	163	178	341	250	163	87	1	....	....	....
	" .....L to P " 4		55	43	102	202	148	350	375	202	173	2	....	....	....
	" .....Q to Z " 4		42	47	96	185	103	288	300	185	115	....	....	....	....
	" .....A to F " 5		16	36	93	146	129	275	300	146	154	1	....	....	....
	" .....G to M " 5		37	39	99	176	154	330	349	176	173	1	....	....	....
	" .....N to Z " 5		21	42	80	146	162	308	325	146	179	3	....	....	....
	" .....A to G " 6		25	46	71	142	110	252	350	142	208	....	....	....	....
	" .....H to M " 6		29	30	62	122	138	260	325	122	203	1	....	....	....
	" .....N to Z " 6		18	42	69	129	126	255	300	129	171	....	....	....	....
	" Advance Poll.....		2	17	46	66	.....	.....	150	66	84	1	....	....	....
	Penetang.....A to K No. 1		10	185	87	283	103	386	401	283	118	1	3	....	....
	" .....L to Z " 1		7	171	103	284	122	406	400	284	116	3	....	....	....
	" .....A to F " 2		16	115	99	231	89	320	352	234	118	1	....	....	....
	" .....G to M " 2		9	163	122	296	154	450	450	296	154	2	....	....	....
	" .....N to Z " 2		15	82	103	200	116	316	400	201	199	1	....	....	....
	" .....A to Z " 3		25	29	134	191	85	276	301	191	110	3	....	....	....
	Flos.....A to Z " 1		91	14	44	150	70	220	304	151	153	1	1	....	....
	" .....A to Z " 2		96	5	64	167	56	223	251	167	84	2	....	....	....

HOWARD BERTRAM, Returning Officer.

	" ..... A to Z "	3	67	43	31	142	76	218	227	142	85	1	....	....	....
	" ..... A to K "	4	28	27	122	178	90	268	250	178	72	1	....	....	....
	" ..... L to Z "	4	38	21	97	156	49	205	250	156	94	....	....	....	....
	" ..... A to Z "	5	122	9	20	152	74	226	250	152	98	1	....	....	....
	" ..... A to Z "	6	118	11	78	209	85	294	275	209	66	2	....	....	....
	" ..... A to Z "	7	110	11	46	169	78	247	225	170	55	2	....	....	....
	Sunnidale ..... A to Z "	1	39	15	46	100	113	213	250	100	150	....	....	....	....
	" ..... A to Z "	2	104	18	120	244	86	330	376	245	131	2	1	....	....
	" ..... A to Z "	3	120	2	55	178	76	254	275	178	97	1	....	....	....
	" ..... A to Z "	4	163	10	60	233	95	328	349	233	116	....	....	....	....
	" ..... A to Z "	5	6	1	68	75	40	115	150	75	75	....	....	....	....
	Tiny ..... A to Z "	1	114	16	89	219	135	354	375	219	156	....	....	....	....
	" ..... A to Z "	2	80	107	54	241	58	299	346	241	105	....	....	....	....
	" ..... A to L "	3	74	142	42	260	70	330	477	260	217	2	....	....	....
	" ..... M to Z "	3	55	71	11	137	63	200	202	138	64	....	1	....	....
	" ..... A to Z "	4	124	20	79	224	38	262	351	224	127	1	....	....	....
	" ..... A to Z "	5	9	214	53	282	104	386	400	283	117	6	1	....	....
	" ..... A to Z "	6	51	1	8	60	5	65	100	60	40	....	....	....	....
	Vespra ..... A to Z "	1	149	9	22	183	101	284	301	184	117	3	1	....	....
	" ..... "	2	105	4	34	143	85	228	300	146	154	2	1	....	....
	" ..... "	3	78	6	50	136	64	200	250	137	113	2	1	....	....
	" ..... "	4	153	16	70	240	92	332	375	240	135	1	....	....	....
	" ..... "	5	115	6	19	141	109	250	250	142	108	1	1	....	....
	" ..... "	6	29	.....	2	31	44	75	175	31	144	....	....	....	....
	" ..... "	7	34	3	11	48	27	75	200	48	152	....	....	....	....
	" ..... "	8	19	6	34	59	17	76	150	59	91	....	....	....	....
	Totals		3,006	2,332	3,535	8,937	4,659	13,596	15,342	8,958	6,384	67	17	2	....
	Majority for Wright				529										

			Finlayson	Johnston										
Simcoe, East	Town of Orillia ..... A to L No.	1	98	46	144	5	149	150	145	5	....	1	....	....
	" ..... M to Z "	2	74	32	106	63	169	200	107	93	....	1	....	....
	" ..... A to C "	3	49	51	100	77	177	200	101	99	....	1	....	....
	" ..... D to K "	4	70	53	103	161	264	300	104	176	1	....	....	....
	" ..... L to P "	5	75	36	111	99	210	250	111	139	....	....	....	....
	" ..... Q to Z "	6	77	47	124	101	225	250	127	122	3	....	....	....
	" ..... A to C "	7	47	29	76	65	141	175	76	99	....	....	....	....
	" ..... D to K "	8	42	26	68	58	126	150	69	81	1	....	....	....
	" ..... L to P "	9	32	41	73	60	133	150	73	77	....	....	....	....
	" ..... Q to Z "	10	50	54	104	76	180	225	104	121	....	....	....	....
	" ..... A to C "	11	46	47	93	11	104	125	93	32	....	....	....	....
	" ..... D to K "	12	56	60	116	70	186	225	117	108	....	1	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Finlayson	Johnston									
Simcoe, East. —*Con*.....	Town of Orillia.....L to P No. 13		96	73	169	63	233	250	169	81	....	....	....	....
	" .....Q to Z " 14		64	42	106	88	194	225	106	119	....	....	....	....
	" .....A to C " 15		52	53	105	92	197	225	106	119	....	1	....	....
	" .....D to K " 16		40	37	77	89	166	200	78	78	1	....	....	....
	" .....L to P " 17		56	68	124	82	206	250	124	126	....	....	....	....
	" .....Q to Z " 18		65	55	120	96	216	250	122	128	....	....	....	....
	" .....A to C " 19		43	30	73	76	149	175	74	101	1	....	....	....
	" .....D to K " 20		68	63	131	117	248	275	135	142	2	....	....	....
	" .....L to P " 21		61	46	107	71	178	275	107	118	....	....	....	....
	" .....Q to Z " 22		67	43	110	97	207	250	110	140	....	....	....	....
	" .....A to L " 23		85	78	163	128	288	325	160	162	....	....	....	....
	" .....M to Z " 24		88	69	157	55	212	250	159	91	....	2	....	....
	Town of Midland.....A to C " 1		106	26	137	132	269	300	132	163	5	....	....	....
	" .....D to K " 2		102	35	137	110	247	275	137	137	1	....	....	....
	" .....L to P " 3		112	31	143	137	280	325	143	182	....	....	....	....
	" .....Q to Z " 4		99	27	126	143	269	300	126	172	1	1	....	....
	" .....A to G " 5		113	29	142	127	269	300	142	157	1	....	....	....
	" .....H to N " 6		94	23	117	109	226	250	117	130	3	....	....	....
	" .....O to Z " 7		107	24	131	97	228	250	131	118	1	....	....	....
	" .....A to C " 8		64	15	79	134	213	250	80	170	1	....	....	....
	" .....D to K " 9		82	22	104	158	262	300	104	196	....	....	....	....
	" .....L to O " 10		64	42	106	148	254	300	108	192	2	....	....	....
	" .....P to Z " 11		94	29	123	168	291	325	124	201	....	1	....	....
	" .....A to D " 12		115	24	139	191	330	375	140	235	1	....	....	....
	" .....E to K " 13		122	40	162	117	269	300	165	135	3	....	....	....

LESLIE ARCHER, Returning Officer.

"	L to P	"	14	116	32	148	171	319	350	148	202	....	....	....	....
"	Q to Z	"	15	126	35	161	157	318	300	163	137	2	....	....	....
Coldwater	A to L	"	1	87	49	136	62	198	225	141	82	5	....	....	....
"	M to Z	"	2	55	42	97	70	167	200	99	101	2	....	....	....
Victoria Harbour		"	1	171	43	214	210	424	450	216	234	....	1	1	....
"		"	2	118	32	150	131	281	250	152	98	1	1	....	....
Port McNicoll	A to L	"	1	114	25	139	78	217	225	141	84	....	2	....	....
"	M to Z	"	2	90	46	136	62	198	325	136	189	....	....	....	....
Matchedash Tp		"	1	42	99	141	88	229	250	142	108	1	....	....	....
Medonte Tp	A to L	"	1	56	22	78	93	171	200	78	122	....	....	....	....
"	M to Z	"	1	58	33	91	56	147	175	92	83	....	1	....	....
"		"	2	34	46	80	94	174	200	81	119	1	....	....	....
"		"	3	36	82	118	111	229	250	118	132	....	....	....	....
"	A to L	"	4	54	19	73	77	150	150	75	99	2	....	....	....
"	M to Z	"	4	21	51	71	56	127	150	71	79	....	....	....	....
"	A to L	"	5	15	59	74	65	139	175	75	100	1	....	....	....
"	M to Z	"	5	24	53	77	65	142	175	77	98	....	....	....	....
"		"	6	28	76	104	170	174	300	105	195	1	....	....	....
"	A to L	"	7	62	36	98	96	194	225	98	127	....	....	....	....
"	M to Z	"	7	64	23	87	40	127	150	88	162	1	....	....	....
Oro Tp		"	1	14	94	108	54	162	200	112	88	2	1	1	....
"		"	2	31	107	138	104	242	275	138	137	....	....	....	....
"		"	3	20	105	125	98	223	250	125	125	....	....	....	....
"	A to L	"	4	22	81	103	27	130	150	104	46	1	....	....	....
"	M to Z	"	4	9	57	66	39	105	125	67	58	1	....	....	....
"		"	5	39	121	160	26	186	225	160	65	....	....	....	....
"		"	6	29	86	115	71	186	225	115	110	....	....	....	....
"		"	7	43	60	103	48	151	175	104	71	....	1	....	....
"		"	8	87	65	152	64	216	250	155	95	2	....	1	....
"		"	9	41	53	94	83	167	201	96	105	2	....	....	....
Orillia Tp		"	1	98	67	165	5	170	175	166	9	1	....	....	....
"		"	2	23	62	85	67	142	175	85	90	....	....	....	....
"		"	3	40	28	68	64	186	150	69	81	1	....	....	....
"		"	4	36	69	105	54	159	200	108	92	3	....	....	....
"	A to L	"	5	76	44	120	49	169	200	121	79	....	1	....	....
"	M to Z	"	5	47	45	92	42	134	175	93	82	....	1	....	....
"		"	6	68	91	159	51	210	250	162	88	2	1	....	....
"		"	7	33	47	80	160	140	175	80	95	....	....	....	....
"		"	8	18	54	72	66	138	175	73	103	1	....	....	....
"		"	9	31	49	80	31	111	200	81	119	1	....	....	....
"	A to L	"	10	32	29	61	52	113	175	61	114	....	....	....	....
"	M to Z	"	10	54	62	116	52	168	200	118	82	1	1	....	....
Tay Tp		"	1	54	15	69	80	149	175	69	106	....	....	....	....
"		"	2	55	38	93	88	181	200	93	107	....	....	....	....
"		"	3	55	33	88	122	210	225	88	137	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Finlayson	Johnston										
Simcoe, East —*Con.*	Tay Tp. ..... No. 4	73	30	103	51	154	175	105	70	2	....	....	....
	" ..... A to L " 5	124	6	130	60	190	200	130	70	....	....	....	....
	" ..... M to Z " 5	86	11	97	43	140	150	97	53	....	....	....	....
	" ..... " 6	32	15	47	37	84	100	47	53	....	....	....	....
	" ..... " 7 A	16	26	42	25	67	75	42	33	....	....	....	....
	" ..... " 7 B	14	28	42	13	65	75	43	32	1	....	....	....
	" ..... " 8	56	20	76	67	143	175	77	98	1	....	....	....
	" ..... " 9	23	42	65	50	115	125	65	60	....	....	....	....
	Advance Polls—												
	Midland ..... No. 1	10	.....	.....	.....	.....	150	10	140	....	....	....	....
	Port McNicoll ..... No. 2	47	.....	.....	.....	.....	150	47	103	....	....	....	....
	Totals	5,692	4,194	9,886		17,296							
	Majority for Finlayson	1,498											
		Evans	Rowe										
Simcoe, South	Bradford ..... A to L No. 1	56	116	173	40	213	275	175	100	1	2	....	....
	" ..... M to Z " 1	48	101	150	24	174	250	151	99	1	....	1	....
	" ..... " 2	51	145	198	27	225	300	198	102	2	....	....	....
	Beeton ..... A to L " 1	32	123	155	65	220	250	157	93	....	....	1	1
	" ..... M to Z " 1	42	93	135	63	198	250	136	114	....	....	1	....
	Tottenham ..... A to L " 1	51	68	119	77	196	250	121	129	2	....	....	....
	" ..... M to Z " 1	48	71	121	88	209	250	121	129	....	....	2	....

Adjala	"	1	65	71	138	44	182	250	138	112	2	....	....	....
" A to L	"	2	28	42	70	36	106	200	70	130	....	....	....	....
" M to Z	"	2	59	26	85	50	135	200	85	115	....	....	....	....
"	"	3	61	25	87	80	167	250	87	163	1	....	....	....
"	"	4	19	70	89	28	117	200	89	111	....	....	....	....
"	"	5	26	58	85	69	154	200	85	115	1	....	....	....
"	"	6	26	54	82	49	131	200	82	118	2	....	....	....
Innisfil	"	1	47	62	110	65	175	250	111	139	1	1	....	....
" A to K	"	2	57	44	104	18	122	200	104	96	3	....	....	....
" L to Z	"	2	55	50	105	15	120	200	105	95	....	....	....	....
" A to L	"	3	46	100	147	54	201	250	147	103	1	....	....	....
" M to Z	"	3	73	70	144	51	195	250	145	105	1	1	....	....
"	"	4	86	58	146	86	232	300	146	154	2	....	....	....
" A to M	"	5	51	72	123	43	166	200	123	77	....	....	....	....
" N to Z	"	5	68	37	110	35	145	200	110	90	5	....	....	....
"	"	6	57	80	137	39	176	250	137	113	....	....	....	....
"	"	7	42	61	103	48	151	200	104	96	....	1	....	....
"	"	8	62	98	160	40	200	200	160	40	....	....	....	....
"	"	9	15	34	49	17	66	100	49	51	....	....	....	....
"	"	10	39	56	95	43	138	150	95	55	....	....	....	....
Tecumseth A to K	"	1	31	37	69	63	132	200	69	131	1	....	....	....
" L to Z	"	1	29	43	73	54	127	200	73	127	1	....	....	....
" A to H	"	2	64	63	128	38	166	200	128	72	1	....	....	....
" I to Z	"	2	60	62	123	53	176	200	123	77	1	....	....	....
" A to H	"	3	46	48	94	30	124	150	94	56	....	....	....	....
" I to Z	"	3	42	32	74	43	117	150	74	76	....	....	....	....
" A to G	"	4	51	84	136	33	169	225	136	89	1	....	....	....
" H to Z	"	4	61	69	131	40	171	225	131	94	1	....	....	....
" A to K	"	5	50	53	103	38	141	175	103	72	....	....	....	....
" L to Z	"	5	48	53	101	52	153	175	101	74	....	....	....	....
" A to J	"	6	23	70	93	66	159	174	93	81	....	....	....	....
" K to Z	"	6	17	74	91	38	129	200	91	109	....	....	....	....
W. Gwillimbury A to K	"	1	75	44	119	19	138	199	119	80	....	....	....	....
" L to Z	"	1	79	38	117	34	151	200	117	83	....	....	....	....
" A to K	"	2	84	50	134	20	154	200	134	66	....	....	....	....
" L to Z	"	2	61	41	102	32	134	200	102	98	....	....	....	....
" A to K	"	3	42	66	108	37	145	200	108	92	....	....	....	....
" L to Z	"	3	19	68	87	28	115	200	87	113	....	....	....	....
"	"	4	131	60	191	46	237	250	191	59	....	....	....	....
"	"	5	58	76	134	33	167	200	134	66	....	....	....	....
Totals			2,381	3,016	5,428		7,519				31	5	5	1
Majority for Rowe				635										

LORNE A. HARTMAN,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.					Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
							Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Baker	Currie	Jamieson	Carmichael										
Simcoe, West....	Collingwood..... No. 5		38	31	97	.....	169	.....	671	374	.....	.....	3	1	.....	.....
	" ..... " 6		54	33	116	3	215	.....	.....	425	.....	.....	9	2	.....	.....
	" ..... " 2		33	13	77	3	127	.....	650	400	.....	.....	1	.....	.....	.....
	" ..... " 5		56	56	105	4	225	.....	.....	425	.....	.....	4	.....	.....	.....
	" ..... " 6		61	40	150	9	261	.....	785	500	.....	.....	1	.....	.....	.....
	" ..... " 1		17	16	90	6	131	.....	578	325	.....	.....	2	.....	.....	.....
	" ..... " 2		51	28	110	4	195	.....	.....	400	.....	.....	2	.....	.....	.....
	" ..... " 3		38	10	80	.....	129	.....	526	300	.....	.....	1	1	.....	.....
	" ..... " 1		19	22	115	13	172	.....	.....	375	.....	.....	3	.....	.....	.....
	" ..... " 4		30	24	110	3	169	.....	653	425	.....	.....	2	.....	.....	.....
	" ..... " 4		24	27	99	1	154	.....	.....	350	.....	.....	3	.....	.....	.....
	" ..... " 3		46	28	84	6	168	.....	.....	351	.....	.....	4	1	.....	.....
	Nottawasaga..... " 1		76	10	41	.....	129	.....	207	225	.....	.....	2	.....	.....	.....
	" ..... " 2		71	7	38	1	118	.....	195	200	.....	.....	1	.....	.....	.....
	" ..... " 3		40	.....	40	.....	80	.....	155	199	.....	.....	.....	.....	.....	.....
	" ..... " 4		93	2	69	1	167	.....	244	276	.....	.....	2	.....	.....	.....
	" ..... " 5		55	3	23	.....	82	.....	125	149	.....	.....	1	.....	.....	.....
	" ..... " 6		83	7	52	.....	142	.....	187	225	.....	.....	.....	1	.....	.....
	" ..... " 7		85	4	50	2	144	.....	310	300	.....	.....	3	2	.....	.....
	" ..... " 8		35	1	74	.....	113	.....	164	200	.....	.....	3	.....	.....	.....
	" ..... " 9		14	3	106	1	125	.....	174	200	.....	.....	1	2	.....	.....
	" ..... " 10		124	4	84	1	213	.....	258	300	.....	.....	2	.....	.....	.....
	" ..... " 11		40	30	86	.....	156	.....	435	250	.....	.....	.....	.....	.....	.....
	" ..... " 11		35	25	91	.....	151	.....	.....	250	.....	.....	.....	.....	1	.....

JAMES DOWLING, Returning Officer.

	"	" 12	48	1	36		85		123	175					2			
	ssa	" 1	52		48	1	101		307	224				1				
	"	" 1	33	1	37	2	73			151								
	"	" 2	27	4	57		88		214	250								
	"	" 3	31	1	92	2	130		265	300				4				
	"	" 4	24	1	55		80		410	200								
	"	" 4	31	4	60	1	99			250				1	2			
	"	" 5	34	9	85	2	133		205	226			3					
	"	" 6	24	19	87	2	135		247	275			3					
	"	" 7	26		43		70		187	200					1			
	Tosorontio	" 1	30	5	103	1	140		351	250			1	1				
	"	" 2	31	1	78	1	111		306	200								
	"	" 2	20		78		98			150				1	1			
	"	" 3	20	2	31	1	55		89	100			1					
	"	" 1	26	15	52	1	95			150			1					
	"	" 4	16		24	1	42		81	100			1	3				
	Alliston	" 1	28	8	18	2	56		378	150								
	"	" 2	13	13	49	1	77		298	200			1					
	"	" 3	5	11	94		111		321	250			1					
	"	" 1	27	14	32		73			200								
	"	" 2	8	11	52	1	74			200			2					
	"	" 3	17	12	53		85			175			3	1				
	Creemore	" 2	41	16	94	1	154		250	250			2					
	"	" 1	48	22	74		145		139				1					
	Stayner	" 1 A	50	18	46		114		216	250				2				
	"	" 1 B	48	11	65	4	128		200	250			3					
	"	" 2	54	11	80	2	155		275	300			8					
	Totals		2,030	634	3,610	84	6,439		11,299	12,980			81	30	7			
	Majority for Jamieson				1,580													

			Copeland	Milligan	McLeod										
Stormont	Town of Cornwall	No. 1	4	51	115	171	106	277	300	171	129	1			
	"	" 1 A	5	37	55	98	43	141	150	98	52	1			
	"	" 2	2	59	89	152	84	236	250	152	98	2			
	"	" 2 A	4	28	56	88	47	135	150	88	62				
	"	" 3	22	126	48	198	141	339	350	198	152			2	
	"	" 4	5	76	35	119	72	191	200	119	81	1	2		
	"	" 4 A	1	62	36	102	74	176	200	102	98	1	2		
	"	" 5	16	52	39	108	88	196	200	108	92			1	
	"	" 5 A	11	79	33	124	108	232	250	124	126			1	
	"	" 6	12	76	30	121	94	215	225	121	104	3			
	"	" 6 A	6	100	40	148	130	278	300	148	152	2			

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Copeland	Milligan	McLeod										
Stormont.—*Con.*.	Town of Cornwall.....No. 7		13	91	29	133	106	239	250	133	117	....	....	....	....
	" ..... " 7 A		4	64	41	110	90	200	200	110	90	....	1	....	....
	" ..... " 8		10	75	28	114	88	202	225	114	111	....	1	....	....
	" ..... " 8 A		4	51	26	82	76	158	175	82	93	1	....	....	....
	" ..... " 9		4	71	43	118	102	220	225	118	107	....	....	....	....
	" ..... " 9 A		6	53	39	100	89	189	200	100	100	....	....	2	....
	" ..... " 10		13	78	34	127	96	223	250	127	123	....	2	....	....
	" ..... " 10 A		8	90	28	130	109	239	250	130	120	4	....	....	....
	" ..... " 11		6	129	27	163	151	314	325	163	162	1	....	....	....
	" ..... " 11 A		.....	40	13	53	51	104	125	53	72	....	....	....	....
	Tp. of Cornwall..... " 1		23	113	178	319	117	436	450	319	131	5	....	....	....
	" ..... " 1 A		8	37	115	161	166	327	350	161	189	....	1	....	....
	" ..... " 2		29	81	42	158	157	315	325	158	167	6	....	....	....
	" ..... " 3		89	34	25	151	107	258	275	151	124	1	2	....	....
	" ..... " 4		69	42	8	120	101	221	250	120	130	1	....	....	....
	" ..... " 5		38	72	43	154	155	309	325	154	171	....	....	1	....
	" ..... " 6		53	72	27	154	120	274	300	154	146	2	....	....	....
	" ..... " 7		25	12	14	51	74	125	150	51	99	....	....	....	....
	" ..... " 7 A		31	37	7	75	124	199	200	75	125	....	....	....	....
	" ..... " 8		75	62	36	175	171	346	300	175	125	2	....	....	....
	" ..... " 9		15	70	65	151	115	266	275	151	124	....	....	1	....
	" ..... " 9 A		16	61	71	148	123	271	300	148	152	....	....	....	....
	" ..... " 10		4	84	18	106	86	192	200	106	94	....	....	....	....
	" ..... " 10 A		13	66	20	100	100	200	200	100	100	1	....	....	....
	Tp. of Roxborough..... " 1		46	71	49	169	88	257	275	169	106	3	....	....	....

D. A. GRANT,
Returning Officer.

	" ..... "	1 A	28	50	47	127	83	210	225	127	98	....	....	2	....
	" ..... "	2	87	35	13	137	26	163	224	137	87	....	2	....	....
	" ..... "	3	71	29	26	129	81	210	226	129	97	3	....	....	....
	" ..... "	4	44	50	21	115	63	178	200	115	85	....	....	....	....
	" ..... "	4 A	84	54	32	170	69	239	250	170	80	....	....	....	....
	" ..... "	5	68	14	25	108	110	218	225	108	117	1	....	....	....
	" ..... "	6	100	12	26	138	145	283	300	138	162	....	....	....	....
	" ..... "	7	27	44	48	123	96	219	225	123	102	4	....	....	....
	" ..... "	7 A	36	22	61	120	72	192	225	120	105	1	....	....	....
	Tp. of Finch ..... "	1	64	38	20	122	77	199	200	122	78	....	....	....	....
	" ..... "	2	67	20	16	103	63	166	175	103	72	....	....	....	....
	" ..... "	3	51	39	26	116	71	187	200	116	84	....	....	....	....
	" ..... "	4	26	63	60	150	125	275	300	150	150	1	....	....	....
	" ..... "	5	36	47	49	134	118	252	275	134	141	2	....	....	....
	" ..... "	6	10	19	27	57	66	123	125	57	68	1	....	....	....
	" ..... "	6 A	23	38	49	110	83	193	200	110	90	....	....	....	....
	" ..... "	7	53	1	26	83	77	160	175	83	92	....	....	3	....
	" ..... "	8	11	31	9	51	99	150	175	51	124	....	....	....	....
	Village of Finch ..... "	1	43	111	57	212	64	276	300	212	88	1	....	....	....
	Tp. of Osnabruck ..... "	1 A	35	40	31	107	72	179	200	107	93	1	....	....	....
	" ..... "	1	35	37	31	105	91	196	200	105	95	2	....	....	....
	" ..... "	2	19	52	73	146	143	289	300	146	154	2	....	....	....
	" ..... "	3	39	50	47	138	72	210	225	138	87	2	....	....	....
	" ..... "	3 A	24	28	26	78	45	123	125	78	47	....	....	....	....
	" ..... "	4	29	45	17	93	85	178	200	93	107	2	....	....	....
	" ..... "	4 A	29	41	21	91	66	157	175	91	84	....	....	....	....
	" ..... "	5	53	59	30	142	135	277	276	142	134	....	....	....	....
	" ..... "	6	59	44	8	111	81	192	200	111	89	....	....	....	....
	" ..... "	7	18	61	35	114	111	225	249	114	135	....	....	....	....
	" ..... "	7 A	27	52	39	119	117	236	250	119	131	1	....	....	....
	" ..... "	8	55	33	13	101	188	289	300	101	199	....	....	....	....
	Totals		2,041	3,661	2,611	8,401	6,543	14,944	15,900	8,401	7,499	62	13	13	....
	Majority for Milligan			1,050											

				Bull	Daoust	Mageau									
Sturgeon Falls...	Sturgeon Falls ..... No.	1		11	10	137	158	.....	.....	.....	.....	140	4	1	.....
	" ..... "	1 A		14	10	199	223	.....	.....	.....	.....	82	4	7	.....
	" ..... "	2		86	3	76	165	.....	.....	.....	.....	135	....	....	2
	" ..... "	2 A		56	.....	58	114	.....	.....	.....	.....	188	1	....	....
	" ..... "	2 B		47	5	98	150	.....	.....	.....	.....	148	....	2	....
	" ..... "	3		53	4	82	139	.....	.....	.....	.....	94	3	....	....
	" ..... "	3 A		35	4	82	121	.....	.....	.....	.....	195	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Bull	Daoust	Mageau										
Sturgeon Falls. —*Con*.....	Springer..... No. 4	42	8	288	338	.....	.....	.....	.....	117	2	.....	.....	.....
	" ..... " 5	7	7	85	99	.....	.....	.....	.....	153	.....	.....	.....	.....
	Cache Bay..... " 6	38	.....	88	126	.....	.....	.....	.....	122	.....	1	.....	.....
	" ..... " 7	48	.....	66	114	.....	.....	.....	.....	139	.....	.....	.....	.....
	Caldwell..... " 8	4	97	145	246	.....	.....	.....	.....	54	.....	.....	3	.....
	" ..... " 9	6	72	70	148	.....	.....	.....	.....	162	.....	.....	.....	.....
	Warren..... " 10	27	25	44	96	.....	.....	.....	.....	105	.....	.....	.....	.....
	" ..... " 10 A	30	35	75	140	.....	.....	.....	.....	62	.....	2	.....	.....
	" ..... " 10 B	1	32	31	64	.....	.....	.....	.....	86	.....	.....	.....	.....
	St. Charles..... " 11	10	100	76	186	.....	.....	.....	.....	164	.....	.....	.....	.....
	Field..... " 12	10	14	217	241	.....	.....	.....	.....	13	.....	1	.....	.....
	" ..... " 12 A	22	2	42	66	.....	.....	.....	.....	178	7	.....	.....	.....
	Cosby and Mason..... " 13	1	118	55	174	.....	.....	.....	.....	128	2	.....	.....	.....
	Martland..... " 14	3	101	86	190	.....	.....	.....	.....	109	2	1	.....	.....
	Pt. Kirkpatrick & McPherson..... " 15	3	48	48	99	.....	.....	.....	.....	210	1	.....	.....	.....
	Pt. McPherson & London " 16	.....	61	55	116	.....	.....	.....	.....	133	.....	1	1	.....
	Bastedo, Gibbons & Badgerow..... " 17	3	2	75	80	.....	.....	.....	.....	106	.....	.....	.....	.....
	Pt. Gibbons & Badgerow.. " 18	3	32	40	75	.....	.....	.....	.....	125	.....	.....	.....	.....
	Chudley..... " 19	1	1	7	9	.....	.....	.....	.....	191	.....	.....	.....	.....
	River Valley..... " 20	2	5	123	130	.....	.....	.....	.....	146	2	.....	.....	.....
	Hugel..... " 21	2	18	5	25	.....	.....	.....	.....	130	.....	.....	.....	.....
	Grant..... " 22	10	.....	50	60	.....	.....	.....	.....	40	.....	.....	.....	.....
	Kipling..... " 23	.....	23	9	32	.....	.....	.....	.....	68	.....	.....	.....	.....

ALFRED LIMOGES, Returning Officer.

	Piquette's Sch., Kirkpatrick	"	24	.....	37	4	41	.....	.....	.....	.....	159	....	....	....	....
	Hagenai's "	"	25	2	22	15	39	.....	.....	.....	.....	48	....	....	....	....
	Burwash	"	26	27	16	14	57	.....	.....	.....	.....	141	2	....	....	....
	Cancelled	"	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	....	....
	Jos. Courchesne Delamere	"	28	3	21	46	70	.....	.....	.....	.....	81	....	1	....	....
	Bigwood	"	29	4	13	32	49	.....	.....	.....	.....	100	1	....	....	....
	Giroux' Store, Haddo Falconer	"	30	.....	32	13	45	.....	.....	.....	.....	154	1	1	....	....
	Pedley	"	31	2	4	12	18	.....	.....	.....	.....	83	....	....	....	....
	Laprairieville	"	32	1	12	9	22	.....	.....	.....	.....	27	....	....	....	....
	Deer Creek	"	33	.....	7	14	21	.....	.....	.....	.....	81	....	....	....	....
	Totals			614	1,001	2,671	4,286	.....	.....	.....	.....	4,597	00	00	00	....
	Majority for Mageau					1,670							30			

A. IRVING, Returning Officer.

				Hurtubise	McCrea										
Sudbury	Advance Polls—														
	Capreol	No.	1 A	7	51	58	.....	.....	75	58	17	....	....	....	....
	Foleyet	"	2 A	.....	.....	.....	.....	.....	75	.....	75	....	....	....	....
	Cartier	"	3 A	.....	.....	.....	.....	.....	50	.....	50	....	....	....	....
	Chapleau	"	4 A	29	115	144	.....	.....	200	144	56	....	....	....	....
	Sudbury, Ryan Ward	"	1 A	85	131	216	166	382	400	216	184	....	....	....	....
	" "	"	1 B	35	107	142	100	242	300	142	157	....	1	....	....
	" "	"	1 C	58	162	220	130	350	350	220	129	1	....	....	....
	" "	"	1 D	74	167	241	136	377	400	241	151	1	7	....	....
	" "	"	1 E	46	135	181	114	295	300	181	119	....	....	....	....
	" McCormick Ward	"	1 F	72	201	273	166	439	425	273	148	4	....	....	....
	" "	"	1 G	40	198	238	183	421	425	238	186	....	1	....	....
	" "	"	1 H	60	110	170	166	336	325	170	154	....	1	....	....
	" "	"	1 I	57	136	193	201	394	400	193	207	....	....	....	....
	" "	"	1 J	24	188	212	174	386	375	212	160	....	....	3	....
	" Fournier Ward	"	1 K	180	58	238	232	470	475	238	235	1	1	....	....
	" "	"	1 L	141	48	189	168	357	350	189	159	2	....	....	....
	" "	"	1 M	145	52	197	234	431	425	197	220	7	1	....	....
	" "	"	1 N	133	40	173	184	357	350	173	174	3	....	....	....
	" "	"	1 O	151	54	205	183	388	375	205	165	2	....	3	....
	Copper Cliff, Sub-div. 1	"	2 A	32	122	154	2	156	200	154	43	2	1	....	....
	" " 1	"	2 A1	29	96	125	5	130	200	12	74	1	....	....	....
	" " 2	"	2 B	45	142	187	13	200	200	187	8	1	....	4	....
	" " 2	"	2 B1	42	112	154	22	176	175	154	16	5	....	....	....
	" " 3	"	2 C	21	42	63	21	84	100	63	36	1	....	....	....
	Tp. of McKim	"	3 A	5	21	26	225	296	150	26	124	....	....	....	....
	"	"	3 B	33	12	45			250	45	205	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Hurtubise	McCrea										
Sudbury. —*Con.*	Tp. of Neelon (N.E.) No. 4	25	6	31			200	31	169	....	....	....	....
	Coniston " 4 A	80	96	176	532	1,042	450	176	273	1	....	....	....
	" " 4 B	63	75	138			400	138	261	....	1	....	....
	Tp. of Garson " 5	48	117	165			200	165	32	2	1	....	....
	Tp. of Blezard " 6	86	57	143	77	220	225	143	80	2	....	....	....
	Tp. of Rayside " 7	250	88	338	88	426	450	338	105	7	....	....	....
	Tp. of Balfour " 8	132	49	181	85	266	275	181	94	....	....	....	....
	Tp. of Drury " 9	31	83	114			200	114	86	....	....	....	....
	Tp. of Dennison " 10	50	32	82	178	441	100	82	17	....	1	....	....
	Tp. of Graham " 11 A	17	25	42			150	42	108	....	....	....	....
	" " 11 B	4	21	25			150	25	125	....	....	....	....
	Capreol " 12 A	63	107	170			250	170	78	2	....	....	....
	" " 12 B	64	89	153	510	916	250	153	97	....	....	....	....
	" " 12 C	31	52	83			250	83	166	....	1	....	....
	Frood " 13	.....	5	5	2	7	25	5	20	....	....	....	....
	Chapleau " 14 A	65	100	165			325	165	157	2	....	1	....
	" " 14 B	53	91	144	592	1,167	300	144	155	1	....	....	....
	" " 14 C	46	101	147			299	147	151	1	....	....	....
	" " 14 D	34	85	119			251	119	132	....	....	....	....
	Tp. of Hanmer " 16 A	83	38	121	253	521	300	121	178	1	....	....	....
	" " 16 B	97	50	147			300	147	153	....	....	....	....
	Chelmsford " 17	142	94	236	106	342	350	236	113	1	....	....	....
	Tp. of Hagar " 18	18	125	143	66	209	200	143	56	1	....	....	....
	Tp. of Waters " 19	15	104	119	60	179	175	119	56	....	....	....	....
	Dalton " 20	39	135	174	246	420	425	174	240	10	1	....	....

Nicholson	"	21	28	128	156	82	238	250	156	90	4	....	....	....
Devon	"	22	24	49	73	42	115	125	73	52	....	....	....	....
Tp. of Chapleau	"	23	4	28	32	20	52	50	32	18	....	....	....	....
Bisco	"	24	56	40	96	81	177	175	96	79	....	....	....	....
Benny	"	25	25	25	50	27	77	75	50	25	....	....	....	....
Tp. of Cartier	"	26	55	59	114	44	158	150	114	36	....	....	....	....
Munro Siding	"	27	1	22	23	4	27	25	23	2	....	....	....	....
Tp. of Levack	"	28	41	27	68	44	112	100	68	32	....	....	....	....
Tps. Dowling, Fairbank, part Creighton	"	29	49	55	104	15	119	125	104	21	....	....	....	....
Tp. of Lumsden	"	30	9	17	26	23	49	50	26	24	....	....	....	....
Tp. of Morgan	"	31	32	3	35	2	37	50	35	15	....	....	....	....
Creighton	"	32	48	125	173	43	216	225	173	47	5	....	....	....
Tp. of Broder	"	33 A	48	29	77	13	90	100	77	23	....	....	....	....
"	"	33 B	2	62	64	14	78	75	64	9	2	....	....	....
Tp. of Dill	"	34	10	9	19	12	31	50	19	30	1	....	....	....
Quartz Mine	"	35	7	15	22	26	48	50	22	28	....	....	....	....
Tp. of Capreol	"	36	151	61	212	17	229	225	212	12	....	1	....	....
Sellwood	"	37	8	32	40	32	72	75	40	34	....	1	....	....
Milnet	"	38	17	65	82	11	93	100	82	16	....	....	2	....
Laforest	"	39	42	56	98	91	189	200	98	98	2	2	....	....
Ruel	"	40	21	8	29	37	66	75	29	44	....	2	....	....
Westree	"	41	4	19	23	18	41	50	23	26	1	....	....	....
Shining Tree	"	42	13	67	80	45	125	125	80	39	6	....	....	....
Gogama	"	43	188	59	247	136	383	400	247	150	3	....	....	....
Bethnal	"	44	5	18	23	15	38	50	23	26	1	....	....	....
Stackpool	"	45	9	29	38	17	55	75	38	37	....	....	....	....
Tionaga	"	46	11	39	50	15	65	75	50	24	1	....	....	....
Foleyet	"	47	58	139	197	77	274	275	197	78	....	....	....	....
Elsas	"	48	19	43	62	35	97	100	62	38	....	....	....	....
Argolis	"	49	4	13	17	3	20	25	17	8	....	....	....	....
Massey Bay	"	50	6	31	37	39	76	75	37	38	....	....	....	....
Wanapetei	"	51	21	41	62	15	77	75	62	13	....	....	....	....
Falconbridge	"	52	.....	20	20	.....	18	25	20	5	....	....	....	....
Awrey, Hawley, Laughrin Tps.	"	53	1	32	33	11	44	50	33	17	....	....	....	....
Nickelton, Tp. Snider	"	54	3	26	29	39	67	75	29	45	1	....	....	....
Totals			4,100	5,816	9,916	6,764	16,476	17,775	9,916	7,733	89	24	13	....
Majority for McCrea				1,716										

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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		Kennedy	O'Grady	Sharp										
Temiskaming....	Temiskaming.....No. 1	63	19	17	100	44	144	175	101	74	1	....	1	....
"	..... " 2	6	6	6	19	115	136	150	19	131	1	....	....	....
"	..... " 3	64	12	15	91	127	218	250	91	159	....	....	....	....
"	..... " 4	35	27	24	86	110	196	225	88	137	....	2	....	....
"	..... " 5	24	10	23	57	21	84	100	57	43	....	....	....	....
"	..... " 6	20	97	36	157	235	392	425	157	268	4	....	....	....
"	..... " 7	38	87	15	141	141	282	325	141	184	1	....	....	....
"	..... " 8	57	81	15	155	163	318	350	155	195	2	....	....	....
"	..... " 9	121	71	29	221	251	479	500	221	279	....	....	....	....
"	..... " 10	120	50	31	201	237	438	500	201	299	....	....	....	....
"	..... " 11	56	46	18	120	125	245	275	120	155	....	....	....	....
"	..... " 12	24	28	14	67	61	126	150	67	83	1	....	....	....
"	..... " 13	14	33	15	62	40	101	125	62	63	....	....	....	....
"	..... " 14	61	51	71	186	79	265	300	186	114	3	....	....	....
"	..... " 15	13	1	22	36	18	54	75	36	39	....	....	....	....
"	..... " 16	20	8	13	42	21	63	75	43	32	1	....	....	....
"	..... " 17	216	30	41	288	158	446	500	288	212	1	....	....	....
"	..... " 18	22	5	7	34	18	62	100	34	66	....	....	....	....
"	..... " 19	84	33	12	130	111	241	275	130	145	1	1	....	....
"	..... " 20	74	97	30	202	173	375	400	202	198	1	....	....	....
"	..... " 21	209	78	79	368	243	611	700	368	332	2	....	....	....
"	..... " 22	154	60	79	293	194	487	525	293	232	....	....	....	....
"	..... " 23	133	68	54	257	143	400	450	257	193	2	....	....	....
"	..... " 24	246	29	36	315	192	521	600	315	285	4	....	....	....

C. A. BYAM,
Returning Officer.

"	"	24	15	2	5	22	82	.....	100	22	78	....	....	....	....
"	"	25	73	47	15	135	96	217	250	135	115	....	....	....	....
"	"	26	61	18	50	130	23	226	250	130	120	1	....	....	....
"	"	27	27	8	14	49	55	72	100	50	50	....	1	....	....
"	"	28	71	24	15	110	84	165	200	110	90	....	....	....	....
"	"	29	65	18	43	127	33	211	250	127	123	1	....	....	....
"	"	30	52	19	61	132	73	165	200	134	66	....	1	1	....
"	"	31	58	8	51	118	91	191	225	118	107	1	....	....	....
"	"	32	78	7	89	176	56	267	300	176	124	2	....	....	....
"	"	33	48	34	153	236	77	292	325	236	89	1	....	....	....
"	"	34	24	153	55	237	223	314	350	238	112	5	1	....	....
"	"	35	19	43	78	141	48	364	400	141	259	1	....	....	....
"	"	36	21	35	34	90	102	138	175	90	85	....	....	....	....
"	"	37	65	24	76	166	70	268	299	166	133	1	....	....	....
"	"	38	33	18	70	124	74	194	250	126	124	3	2	....	....
"	"	39	37	6	74	118	18	192	250	118	132	1	....	....	....
"	"	40	14	5	3	22	.....	40	50	22	28	....	....	....	....
"	"	41	41	19	41	103	92	115	225	103	122	2	....	....	....
"	"	42	30	19	35	85	76	161	200	85	115	1	....	....	....
"	"	43	46	17	61	127	62	189	225	131	94	3	4	....	....
"	"	44	7	.....	.....	7	12	19	25	7	18	....	....	....	....
"	"	45	40	15	23	78	41	119	150	78	72	....	....	....	....
"	"	46	17	.....	40	57	35	92	125	57	68	....	....	....	....
"	"	47	7	.....	.....	10	4	14	25	10	15	3	....	....	....
"	"	48	29	7	32	68	27	45	125	68	57	....	....	....	....
"	"	49	21	10	65	97	22	119	150	99	51	1	2	....	....
"	"	50	5	1	44	50	15	65	75	50	50	....	....	....	....
"	"	51	5	21	1	27	7	34	50	27	23	....	....	....	....
"	"	52	6	4	9	19	12	31	50	19	31	....	....	....	....
"	"	53	7	.....	6	13	11	24	50	13	37	....	....	....	....
"	"	54	15	7	.....	22	20	42	75	22	53	....	....	....	....
"	"	54 A	20	10	3	33	27	61	75	33	42	....	....	....	....
"	"	55	26	51	50	130	83	213	250	130	120	3	....	....	....
"	"	56	18	28	9	55	26	81	100	55	45	....	....	....	....
"	"	57	13	8	13	34	43	77	100	34	66	....	....	....	....
"	"	58	14	21	1	36	28	64	75	36	39	....	....	....	....
"	"	59	11	17	17	45	23	68	125	45	80	....	....	....	....
"	"	60	11	1	1	13	.....	13	25	13	12	....	....	....	....
"	"	61	11	1	1	13	7	20	50	13	37	....	....	....	....
"	"	62	14	3	17	34	25	57	75	34	41	....	....	....	....
"	"	63	6	10	10	26	11	37	50	27	23	1	....	....	....
"	"	64	25	27	54	108	51	159	175	108	67	2	....	....	....
"	"	65	36	24	.....	60	16	76	100	60	40	....	....	....	....
"	"	66	13	14	3	30	7	37	50	30	20	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Temiskaming. —*Con.*		Kennedy	O'Grady	Sharp										
	Temiskaming.....No. 67	11	11	.....	22	17	39	50	22	28	....	....	....	....
	" ..... " 68	20	8	28	56	30	86	150	57	43	....	....	....	....
	Totals.....	3,160	1,850	2,152	7,220	5,062	12,290	14,524	7,237	7,262	58	14	2	....
	Majority for Kennedy.....	1,008												
Toronto, N.E.—		Coyne	Lewis	Shaw										
Seat "A"	Ward 1.....No. 33	14	71	19	110	269	379	400	110	290	6	....	....	....
	" ..... " 34	26	94	31	156	275	431	450	156	294	5	....	....	....
	" ..... " 35	37	90	32	160	255	415	425	160	265	1	....	....	....
	" ..... " 36	14	117	25	165	372	537	550	165	385	9	....	....	....
	" ..... " 37	22	101	23	150	268	418	425	150	275	4	....	....	....
	" ..... " 38	25	156	29	238	284	522	525	238	287	10	....	18	....
	" ..... " 39	17	88	13	121	171	292	300	121	179	3	....	....	....
	" ..... " 40	11	67	10	89	123	212	225	89	136	1	....	....	....
	" ..... " 41	17	70	13	102	217	319	324	102	222	1	....	1	....
	" ..... " 42	22	72	10	107	205	312	324	107	217	3	....	....	....
	" ..... " 43	12	116	16	147	321	468	475	147	328	3	....	....	....
	" ..... " 44	13	88	14	117	323	440	450	117	333	2	....	....	....
	" ..... " 45	27	75	15	123	175	298	300	123	177	3	....	3	....
	" ..... " 46	28	88	20	139	197	336	325	139	186	2	1	....	....
	" ..... " 47	35	87	23	150	197	347	350	150	205	5	....	....	....
	" ..... " 48	22	83	7	114	201	315	325	114	211	2	....	....	....

| | | |

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Toronto, N.E.— Seat "A"—*Con.*		Coyne	Lewis	Shaw										
	Ward 2.....No. 70	19	82	30	134	254	388	400	135	265	3	1	....	....
	" ..... " 71	7	46	21	76	218	294	300	76	224	2	....	....	....
	" ..... " 72	11	69	28	108	203	311	325	108	217	....	....	....	....
	" ..... " 73	10	41	13	64	204	268	275	64	211	....	....	....	....
	" ..... " 74	8	69	28	108	261	369	375	108	267	3	....	....	....
	" ..... " 75	11	72	23	106	218	324	325	106	219	....	....	....	....
	" ..... " 76	14	59	20	95	169	264	274	95	179	2	....	....	....
	" ..... " 77	7	51	17	76	178	254	275	77	198	1	1	....	....
	" ..... " 78	8	66	15	89	149	238	250	89	161	....	....	....	....
	" ..... " 79	6	60	19	86	144	230	250	86	164	1	....	....	....
	" ..... " 80	9	67	27	104	230	334	350	104	246	1	....	....	....
	" ..... " 81	25	85	21	134	241	375	375	134	241	3	....	....	....
	" ..... " 82	6	41	6	53	102	155	175	53	122	....	....	....	....
	" ..... " 83	9	84	20	118	268	176	200	118	82	5	....	....	....
	" ..... " 84	4	36	27	69	84	153	175	69	106	2	....	....	....
	" ..... " 85	7	59	20	88	271	359	375	88	287	....	2	....	....
	" ..... " 86	6	54	10	71	203	274	275	71	204	1	....	....	....
	" ..... " 87	9	56	25	92	187	279	300	92	208	2	....	....	....
	" ..... " 88	11	73	20	95	213	308	325	95	220	....	1	....	....
	" ..... " 89	19	105	21	149	204	353	375	150	225	4	1	....	....
	" ..... " 90	13	40	21	75	131	206	225	76	149	1	1	....	....
	" ..... " 91	24	36	26	88	156	244	250	88	162	2	....	....	....
	" ..... " 92	25	71	17	116	158	278	300	116	184	3	....	....	....
	" ..... " 93	33	87	27	149	184	333	350	149	201	2	....	....	....
	" ..... " 94	14	85	17	116	224	340	350	116	234	1	....	....	....

"	"	95	35	126	35	196	289	475	475	196	279	....	....	....	....
Ward 3	"	68	15	49	15	83	115	208	225	83	142	4	....	....	....
"	"	69	9	103	20	133	259	392	400	137	263	1	....	....	....
"	"	70	14	96	21	132	284	426	425	132	293	1	....	....	....
"	"	71 A	10	86	18	117	528	706	350	117	233	1	1	1	....
"	"	71 B	5	51	4	61			350	61	289	....	....	1	....
"	"	72	12	44	4	63	215	278	300	65	235	3	1	1	....
"	"	73 A	14	118	27	161	844	1,070	500	167	333	2	6	....	....
"	"	73 B	5	50	9	65			500	66	434	1	1	....	....
"	"	74	20	103	36	160	348	508	500	160	340	1	....	....	....
"	"	75	19	135	26	186	347	533	550	188	362	6	2	....	....
"	"	76	6	106	23	138	302	440	450	139	311	3	....	1	....
"	"	77	27	82	27	137	304	441	450	137	313	1	....	....	....
"	"	78	16	99	19	138	240	378	375	139	236	4	1	....	....
"	"	79	6	44	6	57	127	184	200	57	143	1	....	....	....
"	"	80	13	110	23	149	357	506	500	149	351	3	....	....	....
"	"	81	21	120	19	171	266	437	500	172	328	11	1	....	....
"	"	82	5	79	11	96	193	289	300	97	203	1	1	....	....
"	"	83	23	91	29	148	246	394	400	148	252	5	....	....	....
"	"	84	13	80	14	111	171	282	300	111	189	4	....	....	....
"	"	85	3	64	7	77	133	210	225	77	148	3	....	....	....
"	"	86	24	123	23	173	324	497	500	173	327	3	....	....	....
"	"	87	12	105	16	135	264	399	400	136	264	2	1	....	....
"	"	88	44	116	38	201	398	599	600	201	399	3	....	....	....
"	"	89	24	129	10	166	207	373	375	168	207	3	2	....	....
"	"	90	14	94	3	114	210	324	325	115	210	3	1	....	....
"	"	91	8	109	12	137	177	314	323	137	186	8	....	....	....
"	"	92	11	113	10	140	234	374	375	140	235	6	....	....	....
"	"	93	19	104	15	142	213	355	374	142	232	4	....	....	....
"	"	94	6	108	11	130	246	376	400	130	270	5	....	....	....
"	"	95	16	60	19	100	205	305	326	101	225	5	1	....	....
"	"	96	12	66	18	97	151	248	250	97	153	1	....	....	....
"	"	97	13	59	12	87	146	233	150	87	63	3	....	....	....
"	"	98	7	86	15	112	295	407	425	113	312	4	1	....	....
"	"	99	6	70	12	89	210	299	300	91	209	1	2	....	....
"	"	100	13	73	12	98	171	269	275	98	177	....	....	....	....
"	"	101	43	59	22	126	217	343	350	128	222	2	2	....	....
"	"	102	17	31	24	75	136	211	225	75	150	3	....	....	....
"	"	103	23	79	20	124	265	389	400	126	274	2	2	....	....
"	"	104	18	59	27	104	199	303	325	105	220	....	1	....	....
"	"	105	41	73	15	130	256	386	400	131	269	1	1	....	....
"	"	106	27	75	20	125	235	360	375	125	250	3	....	....	....
"	"	107	31	85	25	143	172	315	250	143	107	2	....	....	....
"	"	108	26	78	10	123	159	282	300	125	175	9	1	1	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Coyne	Lewis	Shaw										
Toronto, N.E.— Seat "A"—*Con.*	Ward 4.....No. 53	3	27	2	33	120	2	175	33	142	1	....	....	....
	" ..... " 54						153							
	" ..... " 55	14	84	29	136	364	500	500	136	364	9	....	....	....
	" ..... " 56	18	90	19	131	220	351	400	131	269	4	....	....	....
	" ..... " 57	6	62	15	83	131	214	225	83	142	2	....	....	....
	" ..... " 58	14	74	21	111	202	313	325	112	213	2	1	....	....
	" ..... " 59	22	71	20	117	246	363	375	120	255	4	3	....	....
	" ..... " 76	16	63	24	106	212	318	325	106	219	3	....	....	....
	" ..... " 77	3	77	14	97	149	246	251	97	154	3	....	....	....
	" ..... " 78	13	96	30	140	193	333	349	140	209	1	....	....	....
	" ..... " 79	11	99	13	123	220	343	350	125	225	2	2	....	....
	" ..... " 80	12	71	18	101	193	294	300	103	197	....	2	....	....
	" ..... " 81	9	77	9	96	235	331	350	96	254	1	....	....	....
	" ..... " 82	10	60	27	99	110	309	325	100	225	2	1	....	....
	" ..... " 83	9	91	19	124	220	344	350	124	226	5	....	....	....
	" ..... " 84	7	69	12	90	187	277	300	90	210	2	....	....	....
	" ..... " 85	13	82	21	116	209	325	325	116	209	....	....	....	....
	" ..... " 86	27	91	28	146	240	386	400	146	254	....	....	....	....
	" ..... " 87	22	71	36	131	178	309	325	131	194	3	....	....	....
	" ..... " 88	14	66	18	99	198	297	300	99	201	1	....	....	....
	" ..... " 101	10	52	13	81	198	279	300	81	219	6	....	....	....
	" ..... " 102	15	71	23	112	174	286	300	112	188	3	....	....	....
	" ..... " 103	9	59	29	100	165	265	275	101	174	3	1	....	....
	" ..... " 104	18	44	13	76	163	239	251	76	174	1	....	1	....
	" ..... " 105	8	40	18	68	157	225	225	68	157	2	....	....	....

	" ..... "	106	26	39	20	85	183	268	275	86	189	....	1	....	....
	" ..... "	107	17	50	24	90	168	258	275	95	180	2	1	1	....
	" ..... "	108	18	55	18	91	111	202	200	91	109	....	....	....	....
	Special Railway Booth.....		.....	3	.....	.....	.....	.....	500	3	497	....	....	....	....
	Totals.....		2,368	13,049	2,844	18,261		53,792							
	Majority for Lewis.....			10,205											

				Becker	Thompson										
Toronto, N.E.— Seat "B".....	Ward 1.....	No.	33	26	81	110	269	379	400	110	290	3	....	....	....
	" ..... "		34	46	99	156	275	431	450	156	294	....	11	....	....
	" ..... "		35	59	96	160	255	415	425	155	270	....	....	....	....
	" ..... "		36	23	133	165	372	537	550	165	385	9	....	....	....
	" ..... "		37	43	105	150	268	418	425	150	275	2	....	....	....
	" ..... "		38	40	166	238	284	522	525	234	291	10	....	18	....
	" ..... "		39	23	90	121	171	292	300	120	180	6	....	....	....
	" ..... "		40	16	66	89	123	212	225	89	136	....	....	7	....
	" ..... "		41	19	76	102	217	319	325	102	223	5	....	2	....
	" ..... "		42	27	76	107	205	312	325	107	218	4	....	....	....
	" ..... "		43	18	123	147	321	468	475	147	328	1	....	5	....
	" ..... "		44	23	93	117	323	440	450	117	333	1	....	....	....
	" ..... "		45	39	80	123	175	298	300	123	177	....	....	4	....
	" ..... "		46	42	93	139	197	336	325	138	187	3	....	....	....
	" ..... "		47	48	90	150	197	347	350	153	197	15	....	....	....
	" ..... "		48	24	88	114	201	315	325	114	211	2	....	....	....
	" ..... "		49	32	109	142	275	417	425	142	283	1	....	....	....
	" ..... "		50	24	76	103	162	265	275	106	169	6	....	....	....
	" ..... "		51	11	91	104	120	224	250	103	147	1	....	....	....
	" ..... "		52	14	93	116	157	273	275	118	157	2	....	....	....
	" ..... "		53	17	72	91	202	293	300	93	207	2	1	1	....
	" ..... "		105	21	141	167	244	411	425	167	258	....	5	....	....
	" ..... "		106	11	114	128	259	387	450	128	322	2	....	....	....
	" ..... "		107	25	102	137	283	420	425	136	289	....	9	....	....
	" ..... "		108	42	89	135	202	337	350	135	215	4	....	....	....
	" ..... "		109	44	101	148	222	370	375	149	226	4	....	....	....
	" ..... "		110	17	82	99	221	320	324	99	225	....	....	....	....
	" ..... "		111	18	123	146	284	430	451	146	305	5	....	....	....
	" ..... "		112	25	102	131	170	301	300	132	168	4	1	....	....
	" ..... "		113	60	95	166	165	331	325	167	158	12	1	....	....
	" ..... "		114	36	77	120	260	380	375	122	253	8	1	....	....
	" ..... "		115	20	64	86	119	205	200	86	114	2	....	....	....
	Ward 2.....	"	41	25	111	147	280	427	425	146	289	10	....	....	....
	" ..... "		42	16	144	164	392	556	550	160	390	....	....	....	....

PAUL H. MILLS, Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers	Ballot Papers taken from Polling Places.
		Becker	Thompson										
Toronto, N.E.— Seat "B"—*Con.*	Ward 2.....No. 43	13	165	185	290	475	475	186	289	7	1	....	....
	" ..... " 44	24	113	141	206	347	350	142	208	2	....	3	....
	" ..... " 45	4	144	148	288	436	450	148	302	....	....	....	....
	" ..... " 46	14	122	136	241	377	400	136	264	....	....	....	....
	" ..... " 47	22	156	182	222	404	425	182	243	4	....	....	....
	" ..... " 48	31	75	110	319	429	449	111	338	4	....	1	....
	" ..... " 49	48	91	143	357	500	500	144	356	1	....	4	....
	" ..... " 50	18	90	115	333	448	500	113	387	5	....	....	....
	" ..... " 51	26	132	166	420	586	600	169	431	1	3	7	....
	" ..... " 52	26	127	158	370	528	525	158	367	3	....	2	....
	" ..... " 53	26	158	188	233	421	425	188	237	....	....	4	....
	" ..... " 54	14	107	118	240	358	325	123	202	2	....	....	....
	" ..... " 55	27	108	150	320	470	475	147	328	12	....	....	....
	" ..... " 56	11	87	103	197	300	300	105	195	4	2	1	....
	" ..... " 57	20	109	131	254	385	400	133	267	1	2	....	....
	" ..... " 58	15	107	123	287	410	425	123	302	....	1	....	....
	" ..... " 59	21	93	117	286	403	400	117	283	....	....	3	....
	" ..... " 60	19	86	111	343	454	450	105	345	....	....	....	....
	" ..... " 61	16	87	106	225	331	350	107	243	....	1	3	....
	" ..... " 62	10	102	119	264	383	400	120	280	2	....	6	....
	" ..... " 63	13	68	81	168	249	250	82	168	1	....	....	....
	" ..... " 64	12	70	82	187	269	275	82	193	....	....	....	....
	" ..... " 65	19	95	122	224	346	350	122	228	8	....	....	....
	" ..... " 66	10	52	64	179	243	250	64	186	....	2	....	....
	" ..... " 67	32	69	105	193	298	300	107	193	4	1	1	....

"	"	68	27	93	121	265	386	400	121	279	1	....	....	....	....	....
"	"	69	18	138	165	356	521	525	165	359	9	1	....	....	....	....
"	"	70	37	91	134	254	388	400	134	266	5	....	1	....	....	....
"	"	71	14	55	76	218	294	300	76	224	....	....	7	....	....	....
"	"	72	29	74	108	203	311	325	108	217	5	....	....	....	....	....
"	"	73	13	46	64	204	268	275	64	211	....	....	5	....	....	....
"	"	74	28	74	108	261	369	375	109	266	6	1	....	....	....	....
"	"	75	25	78	106	218	324	325	106	219	3	....	....	....	....	....
"	"	76	23	65	95	169	264	275	95	180	....	....	7	....	....	....
"	"	77	21	53	76	178	254	275	77	198	1	1	1	....	....	....
"	"	78	23	63	89	149	238	250	90	160	3	1	....	....	....	....
"	"	79	16	65	86	144	230	250	86	164	4	1	....	....	....	....
"	"	80	25	75	104	230	334	351	104	247	....	4	....	....	....	....
"	"	81	40	88	134	241	375	375	134	241	....	6	....	....	....	....
"	"	82	11	42	53	102	155	175	53	122	....	....	....	....	....	....
"	"	83	25	89	118	268	176	200	118	82	....	4	....	....	....	....
"	"	84	16	46	69	84	153	175	69	106	1	....	6	....	....	....
"	"	85	16	72	88	271	359	375	88	287	....	....	....	....	....	....
"	"	86	10	59	71	203	274	275	71	204	2	....	....	....	....	....
"	"	87	30	58	92	187	279	300	92	208	3	....	1	....	....	....
"	"	88	28	76	95	213	308	325	95	220	....	....	1	....	....	....
"	"	89	30	110	149	204	353	375	150	225	9	1	....	....	....	....
"	"	90	27	45	75	131	206	225	76	149	....	4	....	....	....	....
"	"	91	42	42	88	156	244	250	88	162	4	....	....	....	....	....
"	"	92	38	74	116	158	278	300	114	186	2	....	....	....	....	....
"	"	93	40	101	149	184	333	349	150	199	9	....	....	....	....	....
"	"	94	33	78	116	224	340	350	112	238	....	1	6	....	....	....
Ward 3	"	95	55	139	196	289	475	475	196	279	2	....	....	....	....	....
"	"	68	19	58	83	115	208	225	83	142	6	....	....	....	....	....
"	"	69	26	108	133	259	392	400	137	263	....	1	....	....	....	....
"	"	70	29	101	132	284	426	425	132	293	2	....	....	....	....	....
"	"	71 A	4	95	117	528	706	350	116	234	....	....	7	....	....	....
"	"	71 B	7	52	61			350	61	289	1	....	....	....	....	....
"	"	72	12	47	63	215	278	300	65	235	4	1	1	....	....	....
"	"	73 A	30	124	161	844	1,070	500	167	333	11	....	....	....	....	....
"	"	73 B	9	54	65			500	66	434	2	1	....	....	....	....
"	"	74	43	111	160	348	508	500	160	340	6	....	....	....	....	....
"	"	75	35	140	186	347	533	550	188	362	11	2	....	....	....	....
"	"	76	23	109	138	302	440	450	139	311	2	....	5	....	....	....
"	"	77	44	90	137	304	441	450	137	313	2	1	....	....	....	....
"	"	78	30	100	138	240	378	375	139	236	8	1	....	....	....	....
"	"	79	7	49	57	127	184	200	57	143	....	1	....	....	....	....
"	"	80	30	116	149	357	506	500	149	351	3	....	....	....	....	....
"	"	81	35	128	171	266	437	500	173	327	8	2	....	....	....	....
"	"	82	9	83	96	193	289	300	96	204	....	....	4	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Becker	Thompson										
Toronto, N.E.—Seat "B"—*Con.*	Ward 3.....No. 83	48	90	148	246	394	400	149	251	....	11	....	....
	" ..... " 84	23	84	111	171	282	300	111	189	4	....	....	....
	" ..... " 85	3	67	77	133	210	225	77	148	....	7	....	....
	" ..... " 86	38	131	173	324	497	500	173	327	4	....	....	....
	" ..... " 87	15	115	135	264	399	400	135	265	4	....	1	....
	" ..... " 88	63	134	201	398	599	600	201	399	4	....	....	....
	" ..... " 89	36	131	166	207	373	375	169	206	2	....	....	....
	" ..... " 90	16	97	114	210	324	325	114	211	1	....	....	....
	" ..... " 91	18	111	137	177	314	322	137	185	8	....	....	....
	" ..... " 92	17	117	140	234	374	375	140	235	6	....	....	....
	" ..... " 93	31	108	142	213	355	375	142	233	3	....	....	....
	" ..... " 94	11	112	130	246	376	400	129	271	6	....	....	....
	" ..... " 95	24	72	100	205	305	325	101	224	5	....	....	....
	" ..... " 96	17	75	97	151	248	250	97	153	5	....	....	....
	" ..... " 97	20	61	87	146	233	150	87	63	6	....	....	....
	" ..... " 98	16	92	112	295	407	425	112	313	4	....	....	....
	" ..... " 99	9	79	89	210	299	300	91	209	1	....	2	....
	" ..... " 100	20	77	98	171	269	275	98	177	....	....	1	....
	" ..... " 101	57	65	126	217	343	350	127	223	4	1	....	....
	" ..... " 102	32	37	75	136	211	225	75	150	....	....	6	....
	" ..... " 103	35	86	124	265	389	400	126	274	2	3	....	....
	" ..... " 104	34	65	104	199	303	325	106	219	....	7	....	....
	" ..... " 105	42	85	130	256	386	400	130	270	2	....	1	....
	" ..... " 106	38	81	125	235	360	375	125	250	....	6	....	....
	" ..... " 107	46	93	143	172	315	250	143	107	4	....	....	....

"	" 108	31	80	123	159	282	300	125	175	3	1	2	....
Ward 4	" 53	5	28	33	120	2	175	33	142	....	....	....	....
"	" 54					153							
"	" 55	35	91	136	364	500	500	136	364	9	....	1	....
"	" 56	23	103	131	220	351	400	130	270	4	....	....	....
"	" 57	14	67	83	131	214	225	83	142	2	....	....	....
"	" 58	23	83	111	202	313	325	112	213	....	1	5	....
"	" 59	36	75	117	246	363	375	120	255	6	3	....	....
"	" 76	29	75	106	212	318	325	106	219	2	....	....	....
"	" 77	13	80	97	149	246	250	97	153	4	....	....	....
"	" 78	23	106	140	193	333	380	140	210	1	10	....	....
"	" 79	22	103	123	220	343	350	125	225	....	....	....	....
"	" 80	26	74	101	193	294	300	103	197	....	....	3	....
"	" 81	21	73	96	235	331	350	96	254	1	1	....	....
"	" 82	28	68	99	110	309	325	100	225	3	....	1	....
"	" 83	23	92	124	220	344	350	115	235	....	....	....	....
"	" 84	15	70	90	187	277	300	90	210	4	1	....	....
"	" 85	27	85	116	209	325	325	116	209	3	....	1	....
"	" 86	46	100	146	240	386	400	146	254	....	....	....	....
"	" 87	45	82	131	178	309	325	131	194	4	....	....	....
"	" 88	27	70	99	198	297	300	199	201	2	....	....	....
"	" 101	16	60	81	198	279	301	81	220	5	....	....	....
"	" 102	23	80	112	174	286	300	112	188	9	....	....	....
"	" 103	26	68	100	165	265	275	100	175	4	....	2	....
"	" 104	23	53	76	163	239	250	77	173	....	....	1	....
"	" 105	18	48	68	157	225	225	68	157	....	....	....	....
"	" 106	30	50	85	183	268	275	86	189	....	....	6	....
"	" 107	34	56	90	168	258	275	95	180	3	....	2	....
"	" 108	35	56	91	111	202	200	91	109	....	....	....	....
Special Railway Booth		.....	3	.....	.....	.....	.....	.....	.....	....	....	....	....
Totals		4,033	13,952	17,985		53,792							
Majority for Thompson			9,919										

			Crawford	Mullowney										
Toronto, N.W.— Seat "A"	Ward 4	No. 60	88	21	110	229	339	300	116	184	1	1	5	....
	"	" 61	63	25	108	232	340	300	108	192	20	....	....	....
	"	" 62	36	30	79	228	307	300	80	220	13	....	1	....
	"	" 63	62	25	87	276	363	350	105	245	....	....	18	....
	"	" 64	53	30	89	239	328	300	89	211	6	....	....	....
	"	" 65	73	4	77	119	196	150	77	73	....	....	....	....
	"	" 66	60	10	75	232	317	300	75	225	5	....	....	....
	"	" 67	80	19	101	218	319	300	105	195	2	....	4	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Toronto, N.W.—Seat "A"—*Con.* R. H. GROVES, Returning Officer.	Ward 4.....No. 68	Crawford 58	Mullowney 12	73	96	169	150	73	77	3	....	....	....
	" ....." 69	116	21	142	226	364	350	142	208	5	....	....	....
	" ....." 70	111	25	138	291	429	400	146	254	2	....	8	....
	" ....." 71	65	13	88	254	342	300	88	212	10	....	....	....
	" ....." 72	101	22	123	219	342	300	123	177	....	....	....	....
	" ....." 73	98	16	116	207	323	300	123	177	2	....	7	....
	" ....." 74	46	4	52	54	106	100	52	48	2	....	....	....
	" ....." 75	91	4	95	193	288	250	95	155	....	....	....	....
	" ....." 89	63	21	105	165	270	251	105	146	....	....	1	....
	" ....." 90	57	40	97	123	220	199	114	85	....	....	17	....
	" ....." 91	62	21	83	163	246	200	88	112	....	....	5	....
	" ....." 92	92	23	126	180	306	300	126	174	11	....	....	....
	" ....." 93	80	37	131	160	291	250	136	114	14	5	....	....
	" ....." 94	93	13	108	184	292	250	122	128	2	1	13	....
	" ....." 95	123	31	174	201	375	349	174	175	20	....	....	....
	" ....." 96	61	10	72	186	258	250	77	173	1	....	5	....
	" ....." 97	91	21	112	197	312	300	115	185	....	....	3	....
	" ....." 98	107	14	121	250	371	350	139	211	....	3	15	....
	" ....." 99	83	21	104	226	330	300	118	182	....	....	14	....
	" ....." 100	102	21	130	254	384	350	130	220	7	....	....	....
	" ....." 109	93	7	107	150	257	250	108	142	7	1	....	....
	" ....." 110	89	7	96	213	309	300	107	193	....	....	11	....
	" ....." 111	68	11	82	242	324	300	85	215	3	1	2	....
	" ....." 112	52	29	89	144	233	200	91	109	8	1	1	....
	" ....." 113	64	18	83	157	240	200	92	108	1	....	9	....

Ward 5	"	51	69	21	91	262	353	351	100	251	1	1	8	....		
"	"	52	74	14	99	150	280	249	99	150	11	....	....	....		
"	"	53	62	7	86	174	260	250	87	163	17	....	1	....		
"	"	54	102	20	132	253	385	350	132	218	....	....	10	....		
"	"	55	77	20	112	201	313	300	112	188	14	....	1	....		
"	"	56	106	14	124	191	315	300	124	176	4	....	....	....		
"	"	57	97	23	122	210	332	300	124	176	2	2	....	....		
"	"	58	101	21	122	180	302	300	122	178	....	....	....	....		
"	"	59	104	29	135	223	358	350	151	199	1	1	16	....		
"	"	60	87	7	104	198	302	300	104	196	10	....	....	....		
"	"	61	91	4	101	184	285	250	101	149	6	....	....	....		
"	"	62 A	81	3	94	149	243	200	94	106	10	....	....	....		
"	"	62 B	60	7	69	162	232	200	83	117	2	14	....	....		
"	"	63	112	21	136	270	406	400	148	252	3	....	12	....		
"	"	64	103	15	123	274	397	350	123	227	5	....	....	....		
"	"	65	75	23	105	192	297	250	105	145	7	....	....	....		
"	"	66	55	34	94	202	296	250	94	156	5	....	....	....		
"	"	67	84	17	102	245	347	300	106	194	1	....	4	....		
"	"	68	123	16	161	254	415	400	161	239	....	....	22	....		
"	"	69 A	78	22	100	162	262	200	107	93	....	7	....	....		
"	"	69 B	46	6	53	150	203	200	59	141	1	....	6	....		
"	"	70	106	15	125	279	404	400	126	274	4	1	....	....		
"	"	71	111	22	134	271	405	399	141	258	1	....	7	....		
"	"	72	103	11	115	214	329	300	117	183	1	....	2	....		
"	"	73	133	21	155	268	423	400	155	245	1	....	....	....		
"	"	74	122	13	144	207	351	350	144	206	9	....	....	....		
"	"	75	96	8	105	247	352	350	110	240	4	1	1	....		
"	"	76	87	18	112	279	391	350	112	238	7	....	....	....		
"	"	77	86	19	113	202	315	300	114	186	8	1	....	....		
"	"	78	77	24	103	189	292	250	105	145	2	1	....	....		
"	"	79	153	22	192	229	421	400	194	206	17	2	....	....		
"	"	80	99	33	134	241	375	350	160	190	2	....	26	....		
"	"	81	95	8	105	175	280	250	110	140	1	1	5	....		
"	"	82	84	14	110	215	325	299	112	187	12	2	....	....		
"	"	83	69	15	85	218	303	300	94	206	1	....	9	....		
"	"	84	67	9	86	201	287	250	86	164	10	....	....	....		
"	"	85	103	23	127	265	392	350	143	207	1	....	16	....		
"	"	86	97	21	119	256	375	350	135	215	1	....	16	....		
"	"	87	103	14	133	221	354	350	133	117	16	....	....	....		
"	"	88	61	10	76	168	244	200	76	124	5	....	....	....		
"	"	89	86	17	104	205	309	300	112	188	1	2	6	....		
"	"	90	69	6	82	195	277	250	82	168	7	....	....	....		
"	"	91	76	21	98	166	264	250	108	148	1	1	9	....		
"	"	92	80	17	107	183	290	250	111	139	10	4	....	....		
"	"	93	133	10	151	252	403	401	153	248	8	2	....	....		

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Toronto, N.W.—Seat "A"—*Con.*	Ward 5.....No. 94	Crawford	Mullowney										
		108	18	128	155	283	250	128	122	2	....	....	....
	" ..... " 95	66	18	84	189	273	250	96	154	....	....	12	....
	" ..... " 96	69	11	89	164	253	249	89	160	9	....	....	....
	" ..... " 97	90	12	104	187	291	250	111	139	1	1	7	....
	" ..... " 98	71	2	73	169	242	199	74	125	....	....	1	....
	" ..... " 99	76	5	86	212	298	250	91	159	5	....	5	....
	" ..... " 100	118	10	130	252	382	350	137	213	....	2	7	....
	" ..... " 101	83	12	95	209	304	300	111	189	....	....	16	....
	" ..... " 102	77	5	84	138	222	199	84	115	2	....	....	....
	" ..... " 103	78	7	88	178	266	250	93	157	3	....	5	....
	" ..... " 104 A	61	10	79	174	253	250	79	171	8	....	....	....
	" ..... " 104 B	59	7	67	262	329	251	68	183	1	1	....	....
	" ..... " 105	100	9	112	268	380	350	112	238	3	....	....	....
	" ..... " 106	89	7	98	221	319	300	100	200	2	2	....	....
	" ..... " 107	94	12	114	255	369	350	114	236	8	....	....	....
	" ..... " 108	97	17	114	244	358	350	125	225	....	....	11	....
	" ..... " 109	108	6	117	180	297	250	117	133	3	....	....	....
	" ..... " 110	91	13	104	224	328	300	114	186	....	1	9	....
	" ..... " 111	105	8	115	193	308	300	119	181	2	4	....	....
	" ..... " 112	109	15	126	223	349	300	128	172	2	2	....	....
	" ..... " 113	78	9	87	201	288	250	87	163	....	....	....	....
	" ..... " 114	101	8	109	265	374	350	109	241	....	....	....	....
	" ..... " 115	100	8	118	158	276	250	119	131	10	1	....	....
	" ..... " 116	88	14	110	221	331	300	110	190	8	....	....	....
	" ..... " 117	72	10	82	145	227	200	88	112	....	....	6	....

"	"	118	100	5	117	320	437	400	117	283	12	....	....	....
"	"	119	91	18	112	260	372	350	131	219	3	....	19	....
"	"	120	75	6	82	152	234	200	91	109	1	....	9	....
"	"	121	62	13	75	138	213	200	79	121	....	....	4	....
"	"	122	63	13	78	142	220	200	92	108	2	....	14	....
"	"	123	106	7	124	166	290	250	124	126	11	....	....	....
"	"	124	90	8	100	156	256	250	100	150	2	....	....	....
"	"	125	72	10	92	160	252	251	92	159	10	....	....	....
"	"	126	88	27	128	273	401	400	128	272	13	....	....	....
"	"	127	114	5	119	219	338	400	119	281	....	....	....	....
"	"	128	102	21	130	120	250	199	131	68	7	1	....	....
"	"	129	105	9	116	147	276	250	126	124	2	....	10	....
"	"	130	101	13	121	168	289	250	121	129	7	....	....	....
"	"	131	104	8	112	140	252	199	123	76	....	....	11	....
"	"	132	73	16	91	120	211	200	91	109	2	....	....	....
"	"	133	114	12	140	210	350	300	140	160	14	....	....	....
"	"	134	96	5	102	210	312	300	109	191	3	....	5	....
"	"	135	103	6	109	220	329	350	109	141	....	....	....	....
"	"	136	94	11	116	233	349	300	116	184	11	....	....	....
"	"	137	96	7	106	211	317	300	106	194	3	....	....	....
"	"	138	77	7	88	137	225	200	88	112	4	....	....	....
"	"	139	66	21	91	177	268	249	93	156	4	....	2	....
"	"	140	37	26	63	165	228	300	74	226	....	....	11	....
Christie Street Hospital			95	11	110	375	485	400	117	283	4	....	7	....
Ward 6		No. 103	59	19	78	206	284	200	78	122	....	....	....	....
"	"	104	85	11	103	224	327	299	105	194	7	2	....	....
"	"	105	98	24	136	188	324	350	136	214	14	....	....	....
"	"	106	77	6	84	150	242	199	84	115	1	....	....	....
"	"	107	106	27	139	199	328	300	159	141	6	....	20	....
"	"	108	53	24	77	199	276	250	77	173	....	....	....	....
"	"	109	48	26	83	230	313	250	85	165	9	1	1	....
"	"	110	93	13	107	235	342	300	117	183	1	....	10	....
"	"	111	75	15	97	185	282	250	97	153	7	....	....	....
"	"	112	62	15	84	181	265	250	84	166	7	....	....	....
"	"	113	62	18	80	180	260	250	80	170	....	....	....	....
"	"	114	64	1	65	179	244	250	72	178	....	1	6	....
"	"	115	70	9	79	203	282	300	85	215	....	1	5	....
"	"	116	74	14	89	241	330	300	92	208	1	....	3	....
"	"	117	87	9	98	257	355	250	103	147	2	....	5	....
"	"	118	121	12	134	297	431	300	139	161	1	5	....	....
"	"	119	76	29	117	255	372	350	117	233	3	....	9	....
"	"	120	107	34	147	236	383	300	147	153	6	....	....	....
"	"	121	97	13	110	231	341	300	119	181	....	....	9	....
"	"	128	85	16	101	172	273	200	105	95	....	....	4	....
"	"	129	77	4	82	208	290	251	85	166	1	....	3	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Crawford	Mullowney										
Toronto, N.W.—Seat "A"—*Con*	Ward 6.....No. 130	64	15	86	101	187	150	102	48	7	....	16	....
	" ..... " 131	96	15	118	193	304	300	126	174	....	....	15	....
	" ..... " 132	93	19	114	202	316	300	114	186	2	....	....	....
	" ..... " 133	82	17	100	215	315	250	100	150	1	....	....	....
	" ..... " 134	116	19	135	221	356	300	135	165	....	....	....	....
	" ..... " 135	118	17	137	303	440	400	137	263	2	....	....	....
	" ..... " 136	69	5	79	187	266	250	79	171	5	....	....	....
	" ..... " 137	55	12	68	231	299	250	72	178	1	1	3	....
	" ..... " 138	38	9	49	158	207	200	49	151	2	....	....	....
	" ..... " 139	57	9	68	128	196	150	68	82	2	....	....	....
	" ..... " 140	65	11	78	194	272	251	78	173	2	....	....	....
	" ..... " 141	56	13	71	230	301	250	74	176	2	....	3	....
	" ..... " 142	87	6	95	197	282	250	95	155	2	....	....	....
	" ..... " 143	121	11	137	195	332	300	138	162	5	1	....	....
	" ..... " 144	88	14	102	209	311	300	112	188	....	3	7	....
	" ..... " 145	92	13	110	249	359	300	112	188	5	2	....	....
	" ..... " 146	76	15	95	179	274	250	96	154	4	1	....	....
	" ..... " 147	74	17	97	182	279	250	97	153	6	....	....	....
	" ..... " 148	55	5	60	198	258	200	67	133	....	....	7	....
	" ..... " 149	52	4	61	116	177	150	61	89	5	....	....	....
	" ..... " 150	74	13	87	198	285	250	87	163	....	....	....	....
	" ..... " 151	78	27	105	270	375	300	117	183	....	....	12	....
	" ..... " 152	44	11	55	131	186	150	56	94	....	....	1	....
	" ..... " 153	54	4	65	113	178	150	65	85	7	....	....	....
	" ..... " 154	128	13	155	190	345	300	156	144	14	1	....	....

" " 155	115	12	142	204	346	300	142	158	15	....	....	....
" " 156	42	14	64	120	184	150	67	83	8	1	2	....
" " 157	89	10	100	225	325	300	101	199	1	1	....	....
" " 158	112	15	132	218	350	300	132	168	5	....	....	....
" " 159	65	6	75	171	246	200	75	125	4	....	....	....
" " 180	84	8	94	248	342	300	101	199	2	1	6	....
" " 181	82	10	92	234	326	300	95	205	3	....	....	....
" " 182	57	8	66	217	283	250	66	184	1	1	....	....
" " 183	97	4	116	219	335	300	116	184	15	....	....	....
" " 184	95	9	105	144	249	200	106	94	1	....	1	....
" " 185	42	4	46	107	153	100	47	53	....	1	....	....
" " 186	46	12	58	203	261	200	67	133	....	2	7	....
" " 187	77	16	96	293	389	300	108	192	3	1	11	....
" " 188	71	20	91	106	197	150	100	50	....	2	7	....
" " 189	75	27	109	185	294	250	109	141	7	....	....	....
" " 190	68	12	80	115	195	201	80	121	....	....	....	....
" " 191	63	5	71	192	263	250	71	179	3	....	....	....
" " 192	57	14	71	150	221	200	78	122	....	....	7	....
" " 193	69	6	75	191	266	200	76	124	....	....	1	....
" " 194	58	6	72	206	278	250	72	178	8	....	....	....
" " 195	57	14	71	245	316	300	79	221	8	....	....	....
" " 196	47	12	60	198	258	200	60	140	1	....	....	....
" " 197	68	12	88	92	180	250	88	162	8	....	....	....
" " 198	90	6	100	180	280	250	100	150	4	....	....	....
" " 199	67	7	79	146	225	200	79	121	5	....	....	....
" " 201	52	8	60	210	270	250	60	190	....	....	....	....
" " 202	63	12	77	269	346	300	77	223	2	....	....	....
" " 203	69	13	82	208	290	250	82	168	....	....	....	....
" " 204	61	6	77	188	265	200	77	123	10	....	....	....
" " 205	89	16	105	230	335	300	116	184	....	....	11	....
" " 206	63	9	72	215	287	250	72	178	....	....	....	....
" " 207	76	17	93	258	351	300	93	207	....	....	....	....
" " 208	89	15	109	193	302	250	109	141	5	....	....	....
" " 209	59	8	73	160	233	200	73	127	6	....	....	....
" " 210	91	25	119	202	321	300	119	181	3	....	....	....
" " 211	62	6	74	126	200	150	74	76	....	....	6	....
" " 212	43	2	47	169	216	200	47	153	2	....	....	....
" " 213	61	6	74	127	201	150	74	76	7	....	....	....
Advance Poll for Railway Employees and Sailors, held June 21st, 22nd and 23rd												
Totals	17,255	2,964	20,219		63,439							
Majority for Crawford	14,291											

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Toronto, N.W.—Seat "B".....		Cooper	Groves	Nesbitt										
	Ward 4.....No. 60	10	27	77	114	225	339	300	116	184	1	1	....	....
	" ..... " 61	15	21	57	114	226	340	300	114	186	21	....	....	....
	" ..... " 62	21	23	29	80	227	307	300	80	220	7	....	....	....
	" ..... " 63	21	23	54	98	265	363	350	106	244	....	1	7	....
	" ..... " 64	17	10	56	89	239	328	300	89	211	6	....	....	....
	" ..... " 65	.....	5	69	74	122	196	150	74	76	....	....	....	....
	" ..... " 66	7	15	49	77	240	317	300	77	223	6	....	....	....
	" ..... " 67	17	13	67	102	217	319	300	105	195	5	....	3	....
	" ..... " 68	6	7	54	73	96	169	150	73	77	6	....	....	....
	" ..... " 69	9	18	107	142	222	364	300	142	158	8	....	....	....
	" ..... " 70	9	45	83	137	292	429	400	137	263	....	....	....	....
	" ..... " 71	7	20	55	88	246	334	300	88	212	6	....	....	....
	" ..... " 72	12	17	93	126	216	342	300	135	165	4	2	7	....
	" ..... " 73	12	15	90	121	201	323	300	124	176	4	1	2	....
	" ..... " 74	2	3	45	52	54	106	100	54	46	2	....	....	....
	" ..... " 75	3	9	87	99	189	288	250	99	151	....	....	....	....
	" ..... " 89	8	31	45	85	185	270	250	85	165	1	....	....	....
	" ..... " 90	13	54	42	109	111	220	200	114	86	....	....	5	....
	" ..... " 91	8	24	49	88	158	246	200	88	112	7	....	....	....
	" ..... " 92	10	34	75	126	180	306	300	126	174	7	....	....	....
	" ..... " 93	6	64	61	133	158	291	250	135	115	2	2	....	....
	" ..... " 94	5	46	68	121	171	292	250	121	129	2	....	....	....
	" ..... " 95	17	43	100	173	202	375	350	173	177	13	....	....	....
	" ..... " 96	9	21	43	75	183	258	250	77	173	2	....	2	....
	" ..... " 97	13	22	79	114	198	312	300	116	184	....	1	1	....

R. H. GROVES,
Returning Officer.

"	"	98	12	28	90	135	236	371	350	139	211	5	3	1	....
"	"	99	11	36	69	119	211	330	300	120	180	3	....	1	....
"	"	100	16	20	90	130	254	384	350	130	220	4	....	....	....
"	"	109	10	10	82	107	150	257	250	109	141	5	2	....	....
"	"	110	6	17	82	105	204	309	300	109	191	4	....	....	....
"	"	111	12	16	58	88	236	324	300	88	212	2	....	....	....
"	"	112	10	34	45	90	143	233	200	90	110	1	....	....	....
"	"	113	7	41	39	88	152	240	200	92	108	1	....	4	....
Ward 5.	"	51	15	20	57	94	259	353	350	101	249	2	2	5	....
"	"	52	17	25	50	99	191	380	250	99	151	7	....	....	....
"	"	53	10	17	51	86	174	260	250	87	163	8	....	1	....
"	"	54	15	24	86	131	254	385	350	132	218	6	....	1	....
"	"	55	19	23	57	112	201	313	300	113	188	13	....	....	....
"	"	56	8	15	98	124	191	315	300	124	176	3	....	....	....
"	"	57	15	28	78	123	209	332	300	125	175	2	2	....	....
"	"	58	16	33	73	122	180	302	300	122	178	....	....	....	....
"	"	59	14	37	94	148	210	358	350	151	199	3	1	2	....
"	"	60	10	20	71	104	198	302	300	104	196	3	....	....	....
"	"	61	8	11	76	101	184	385	250	102	148	6	1	....	....
"	"	62 A	11	8	69	94	149	243	200	94	106	6	....	....	....
"	"	62 B	9	14	52	77	155	232	200	79	121	2	2	....	....
"	"	63	15	37	84	141	265	406	400	146	254	5	....	5	....
"	"	64	12	17	92	123	274	397	350	123	227	2	....	....	....
"	"	65	17	22	62	105	192	297	250	105	145	4	....	....	....
"	"	66	30	12	49	94	202	296	249	94	155	3	....	....	....
"	"	67	22	9	68	103	244	347	300	106	194	4	....	3	....
"	"	68	19	19	106	161	254	415	400	161	239	17	....	....	....
"	"	69 A	24	23	52	102	160	262	200	107	93	3	5	....	....
"	"	69 B	7	7	40	54	149	203	200	59	141	....	3	2	....
"	"	70	16	19	86	123	381	404	400	126	274	2	1	2	....
"	"	71	21	23	96	141	264	405	400	141	259	1	....	....	....
"	"	72	15	12	86	116	213	329	300	117	183	3	....	1	....
"	"	73	10	49	95	155	268	423	400	155	245	1	....	....	....
"	"	74	12	18	109	144	207	351	350	144	206	5	....	....	....
"	"	75	9	12	84	108	244	352	301	110	191	3	1	1	....
"	"	76	26	14	68	112	279	391	350	112	238	4	....	....	....
"	"	77	20	16	74	113	202	315	300	113	187	3	....	....	....
"	"	78	16	47	50	118	174	292	250	119	131	5	1	....	....
"	"	79	24	33	129	192	229	421	400	193	207	6	1	....	....
"	"	80	25	49	79	155	220	375	352	160	192	2	....	5	....
"	"	81	6	14	85	108	172	280	250	110	140	3	1	1	....
"	"	82	5	32	70	112	213	325	300	113	187	5	1	....	....
"	"	83	8	20	64	94	209	303	300	94	206	2	....	....	....
"	"	84	8	14	59	86	201	287	250	86	164	5	....	....	....
"	"	85	11	29	94	142	250	392	350	143	207	8	....	1	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places,
Toronto, N.W.—Seat "B"—*Con.*	Ward 5.....No. 86	Cooper 23	Groves 24	Nesbitt 81	132	243	375	350	134	216	4	....	2	....
	" ..... " 87	13	26	90	134	220	354	350	134	216	5	....	....	....
	" ..... " 88	7	8	54	76	168	244	200	76	124	7	....	....	....
	" ..... " 89	4	21	82	109	200	309	300	112	188	2	2	1	....
	" ..... " 90	3	12	63	81	196	277	250	82	168	3	1	....	....
	" ..... " 91	17	16	67	106	158	264	250	108	142	6	1	1	....
	" ..... " 92	15	30	57	102	188	290	250	105	145	....	3	....	....
	" ..... " 93	14	14	114	142	261	403	400	142	258	....	....	....	....
	" ..... " 94	17	10	98	128	155	283	250	128	122	3	....	....	....
	" ..... " 95	14	19	62	96	177	273	250	96	154	1	....	....	....
	" ..... " 96	7	14	62	89	164	253	250	89	161	6	....	....	....
	" ..... " 97	7	20	79	108	183	291	250	111	139	2	1	2	....
	" ..... " 98	9	4	59	74	168	242	200	74	126	2	....	....	....
	" ..... " 99	11	4	64	91	207	298	250	91	159	12	....	....	....
	" ..... " 100	22	14	94	131	251	382	350	136	214	1	1	4	....
	" ..... " 101	9	13	76	98	206	304	300	112	188	....	1	13	....
	" ..... " 102	7	3	71	84	138	222	200	84	116	3	....	....	....
	" ..... " 103	6	12	65	88	178	266	250	93	157	5	....	5	....
	" ..... " 104 A	13	12	51	79	174	253	250	79	171	3	....	....	....
	" ..... " 104 B	9	2	55	67	262	329	250	68	182	1	1	....	....
	" ..... " 105	10	6	92	111	269	380	299	111	188	3	....	....	....
	" ..... " 106	12	4	79	97	222	319	300	100	200	2	....	3	....
	" ..... " 107	10	15	83	114	255	369	350	114	226	6	....	....	....
	" ..... " 108	19	11	86	125	233	358	300	125	175	9	....	....	....
	" ..... " 109	12	9	94	117	180	297	250	117	133	2	....	....	....

"	" 110	15	15	77	107	221	328	300	114	186	....	4	3	....
"	" 111	6	12	99	118	190	308	300	118	182	1	....	....	....
"	" 112	15	5	104	126	223	349	300	126	174	2	....	....	....
"	" 113	23	2	63	88	200	288	250	88	162	....	....	....	....
"	" 114	9	10	91	110	264	374	350	110	240	....	....	....	....
"	" 115	10	22	81	118	158	276	250	119	131	5	1	....	....
"	" 116	15	9	76	110	221	331	300	110	190	10	....	....	....
"	" 117	5	12	68	85	142	227	200	88	112	....	....	3	....
"	" 118	6	23	78	117	320	437	400	117	283	10	....	....	....
"	" 119	15	23	86	126	246	372	350	131	219	2	....	5	....
"	" 120	6	15	69	90	144	234	200	90	110	....	....	....	....
"	" 121	17	17	43	79	134	213	200	79	121	2	....	....	....
"	" 122	8	24	53	89	131	220	200	92	108	4	....	3	....
"	" 123	7	10	99	124	166	290	250	124	126	8	....	....	....
"	" 124	9	8	81	100	156	256	250	100	150	2	....	....	....
"	" 125	10	17	63	92	160	252	250	92	158	2	....	....	....
"	" 126	19	29	73	127	274	401	400	127	273	6	....	....	....
"	" 127	9	13	95	117	221	338	300	117	183	....	....	....	....
"	" 128	8	22	90	130	120	250	200	131	69	10	1	....	....
"	" 129	9	29	84	124	152	276	300	127	173	2	1	2	....
"	" 130	7	16	96	121	168	289	250	121	129	2	....	....	....
"	" 131	11	14	92	117	135	252	200	117	83	....	....	....	....
"	" 132	15	7	67	91	120	211	200	91	109	2	....	....	....
"	" 133	4	23	111	152	198	350	300	152	148	14	....	....	....
"	" 134	1	16	84	104	208	312	300	108	192	3	....	4	....
"	" 135	8	5	92	107	222	329	250	107	143	2	....	....	....
"	" 136	7	15	92	114	235	349	300	114	186	....	....	....	....
"	" 137	5	3	93	106	211	317	300	106	194	5	....	....	....
"	" 138	3	7	75	88	137	225	200	88	112	3	....	....	....
"	" 139	10	27	54	92	176	268	250	94	156	1	....	2	....
"	" 140	6	40	27	74	154	228	300	74	226	1	....	....	....
Christie Street Hospital		78	6	32	117	368	485	400	117	283	1	....	....	....
Ward 6	No. 103	6	33	43	90	194	284	200	90	110	8	....	....	....
"	" 104	9	24	70	104	223	327	300	105	195	1	1	....	....
"	" 105	20	34	76	136	188	324	300	136	164	6	....	....	....
"	" 106	7	10	68	86	156	242	200	86	114	1	....	....	....
"	" 107	18	43	90	157	171	328	300	177	123	6	....	20	....
"	" 108	12	21	50	83	193	276	250	83	167	....	....	....	....
"	" 109	13	32	35	89	224	313	250	91	159	9	1	1	....
"	" 110	6	41	68	116	226	342	300	117	183	1	....	1	....
"	" 111	9	20	65	97	185	282	250	98	152	3	1	....	....
"	" 112	9	27	44	84	181	265	250	84	166	4	....	....	....
"	" 113	19	6	54	80	180	260	249	80	169	1	....	....	....
"	" 114	5	8	53	68	176	244	250	73	177	2	1	7	....
"	" 115	8	17	59	84	198	282	300	85	215	....	1	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Toronto, N.W.—		Cooper	Groves	Nesbitt										
Seat "B"—*Con.*	Ward 6.....No. 116	10	17	58	80	241	330	300	92	208	4	....	....	....
	" ..... " 117	9	14	74	101	254	355	250	103	147	4	....	2	....
	" ..... " 118	9	12	115	138	293	431	300	139	161	2	1	..	....
	" ..... " 119	26	21	63	117	255	372	350	117	233	7	....	....	....
	" ..... " 120	24	21	97	147	236	383	300	148	152	5	1	....	....
	" ..... " 121	11	29	75	115	226	341	300	119	181	....	....	4	....
	" ..... " 128	12	13	77	103	170	273	201	105	96	1	....	2	....
	" ..... " 129	7	1	75	83	207	290	250	85	165	....	....	2	....
	" ..... " 130	14	10	55	86	101	187	150	102	48	7	....	16	....
	" ..... " 131	15	18	77	110	194	304	300	110	190	....	....	....	....
	" ..... " 132	18	13	77	114	202	316	300	114	186	6	....	....	....
	" ..... " 133	9	21	74	109	206	315	300	109	191	5	....	....	....
	" ..... " 134	20	30	85	135	221	356	300	135	165	....	....	....	....
	" ..... " 136	8	20	108	136	304	440	400	136	264	2	....	....	....
	" ..... " 136	6	12	58	79	187	266	250	80	170	3	1	....	....
	" ..... " 137	9	13	46	70	229	299	250	71	179	2	....	1	....
	" ..... " 138	11	7	26	51	156	207	200	51	149	7	....	....	....
	" ..... " 139	11	6	50	68	128	196	150	68	82	1	....	....	....
	" ..... " 140	9	8	59	78	194	272	250	78	172	2	....	....	....
	" ..... " 141	6	12	53	71	230	301	250	74	176	....	....	3	....
	" ..... " 142	5	3	83	91	191	282	250	95	155	....	4	....	....
	" ..... " 143	8	15	112	137	195	332	300	137	163	2	....	....	....
	" ..... " 144	9	26	68	103	208	311	300	112	188	....	2	7	....
	" ..... " 145	15	13	77	107	252	359	300	111	189	2	4	....	....
	" ..... " 146	8	16	67	95	179	274	250	96	154	4	....	1	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Toronto, N.W.—Seat "B"—*Con.*	Ward 6.....No. 212	Cooper 4	Groves 2	Nesbitt 39	47	169	216	199	47	152	2	....	....	....
	" ..... " 213	12	9	50	74	127	201	150	74	76	3	....	....	....
	Advance Poll for Railway Employees and Sailors.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Totals.....	2,443	3,721	14,703	21,495	41,944	63,439	56,901	21,865	35,036	701	77	220	
	Majority for Nesbitt.....			10,982										
			Bur-gess.	Currie	Hogg	O'Don-oghue								
Toronto, S. E.—Seat "A".....	Ward 1.....No. 1		2	39	3	6	50	127	177	200	55	145	4	1	....	....
	" ..... " 2		2	91	1	6	100	172	272	300	103	197	3	....	....	....
	" ..... " 3		7	112	7	6	132	232	364	400	135	265	....	3	....	....
	" ..... " 4		7	196	3	6	212	289	501	500	216	284	4	....	....	....
	" ..... " 5		14	144	15	12	185	257	442	500	185	315	....	....	....	....
	" ..... " 14		4	84	4	8	100	234	334	400	104	296	1	1	2	....
	" ..... " 15		6	76	12	4	98	169	267	300	102	198	4	....	....	....
	" ..... " 16		3	75	5	5	88	187	275	300	93	207	5	....	....	....
	" ..... " 17		2	175	2	7	186	244	430	400	199	201	11	....	2	....
	" ..... " 18		4	108	1	7	120	220	340	300	128	172	2	6	....	....
	" ..... " 19		6	107	4	5	122	306	428	400	127	273	....	5	....	....
	" ..... " 20		8	104	5	3	120	295	415	400	132	268	12	....	....	....
	" ..... " 21		5	90	4	13	112	311	423	400	120	280	8	....	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.					Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
							Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Bur-gess	Currie	Hogg	O'Don-oghue										
Toronto, S. E.— Seat "A"—*Con.*	Ward 2.....No.	(36)	4	131	6	21	162	357	519	500	173	327	11	....	....	....
	" ..... "	37	3	87	11	8	109	211	320	300	109	191	....	....	....	....
	" ..... "	38	5	115	8	10	138	209	347	400	140	260	2	....	....	....
	" ..... "	39	5	67	2	2	76	152	228	300	79	221	3	....	....	....
	" ..... "	40	2	88	2	1	93	171	264	300	98	202	5	....	....	....
	Ward 3..... "	1, 2	.....	32	3	.....	35	46	81	100	36	64	1	....	....	....
	" ..... "	3, 4	.....	26	1	.....	27	43	70	100	27	73	....	....	....	....
	" ..... "	5 to 9	.....	17	2	3	22	39	61	100	22	78	....	....	....	....
	" ..... "	10 to 15	.....	39	.....	1	40	31	71	100	43	57	....	1	2	....
	" ..... "	16, 17	.....	8	.....	.....	8	15	23	100	8	92	....	....	....	....
	" ..... "	18	2	29	2	3	36	78	114	100	36	64	....	....	....	....
	" ..... "	19	4	49	.....	2	55	102	157	200	55	145	....	....	....	....
	" ..... "	20, 24 to 37	3	35	1	1	40	71	111	100	41	59	....	1	....	....
	" ..... "	21, 22, 23	.....	8	.....	.....	8	29	37	100	9	91	....	1	....	....
	" ..... "	38, 39	1	5	1	.....	7	24	31	100	7	93	....	....	....	....
	" ..... "	41, 41	1	31	1	2	35	87	122	100	35	65	....	....	....	....
	" ..... "	42, 54, 55	.....	14	3	1	18	57	75	100	23	77	1	1	3	....
	" ..... "	43	3	95	6	7	111	226	337	300	127	173	16	....	....	....
	" ..... "	44	.....	7	.....	.....	7	16	23	100	8	92	1	....	....	....
	" .... "	45	1	57	8	7	73	125	198	200	76	124	3	....	....	....
	" .... "	(46)	2	98	11	12	123	456	579	600	134	466	11	....	....	....
	" ..... "	47	2	28	1	5	36	88	124	100	38	62	1	....	1	....
	" ..... "	48	3	146	3	4	156	355	511	500	165	335	9	....	....	....
	" ..... "	(49)	6	176	6	16	204	566	770	800	209	591	5	....	....	....

" ..... "	(50)	1	105	19	14	139	462	601	600	148	452	1	....	8 ....
" ..... "	51	4	117	6	7	134	316	450	400	142	258	....	....	8 ....
" ..... "	(52)	13	146	19	21	199	485	684	700	202	498	2	1	....
" ..... "	53	.....	17	.....	1	18	35	53	100	23	77	5	....	....
" ..... "	56	.....	113	5	9	127	229	356	400	136	264	9	....	....
" ..... "	57	.....	24	.....	.....	24	61	85	100	27	73	3	....	....
" ..... "	58	2	21	.....	.....	23	102	125	200	27	173	3	1	....
" ..... "	59	4	24	1	2	31	51	82	100	34	66	....	....	3 ....
" ..... "	60	1	60	4	5	70	139	209	200	75	125	2	....	3 ....
" ..... "	61	.....	36	8	8	52	100	152	200	58	142	6	....	....
" ..... "	62	2	50	12	8	72	196	268	300	79	221	5	1	1 ....
" ..... "	(63)	2	76	6	8	92	482	574	600	96	504	....	4	....
" ..... "	64	2	62	5	1	70	166	236	200	75	125	....	5	....
" ..... "	65	2	69	6	8	85	264	349	300	90	210	5	....	....
" ..... "	66	2	62	8	6	78	304	382	400	98	302	10	3	7 ....
" ..... "	67	.....	51	9	6	66	179	245	300	67	233	1	....	....
Totals.....		381	7,730	656	711	9,478	21,698	31,176	32,500	10,036	22,464	386	107	65 ....
Majority for Currie.....		7,019												

			Callahan	Gunn	Owens								
Toronto, S. E.— Seat "B".....	Ward 1.....No.	1	6	7	38	51	177	200	126	55	145	3	1 ....
	" ..... "	2	20	8	65	93	272	300	179	103	197	10	....
	" ..... "	3	13	14	105	132	364	400	232	135	265	....	3 ....
	" ..... "	4	14	17	174	205	501	500	296	216	284	....	11 ....
	" ..... "	5	18	30	125	173	442	500	269	173	327	....	....
	" ..... "	14	12	11	77	100	334	400	234	104	296	2	1 1 ....
	" ..... "	15	17	7	72	96	267	360	171	101	199	5	....
	" ..... "	16	10	8	70	88	275	300	187	95	205	5	2 ....
	" ..... "	17	5	10	173	188	430	400	242	199	201	7	.... 4 ....
	" ..... "	18	6	12	95	113	340	300	227	128	172	9	6 ....
	" ..... "	19	12	7	98	117	428	400	311	127	273	....	10 ....
	" ..... "	20	13	5	99	117	415	400	298	129	271	12	....
	" ..... "	21	15	14	80	109	423	400	214	109	291	....	....
	" ..... "	22	11	10	98	119	383	400	264	127	273	7	1 ....
	" ..... "	23	9	13	92	114	355	300	241	123	177	3	.... 6 ....
	" ..... "	24	12	1	70	83	307	300	224	83	217	....	....
	" ..... "	25	12	3	96	111	323	300	212	121	179	9	1 ....
	" ..... "	26	4	7	113	124	456	300	332	128	172	4	....
	" ..... "	27	4	14	116	134	403	400	269	144	256	10	....
	" ..... "	28	11	5	95	111	455	500	344	122	378	11	....
	" ..... "	29	15	6	49	70	252	300	182	78	222	7	1 ....
	" ..... "	30	14	3	74	91	246	300	155	99	201	....	1 7 ....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.				Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
						Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Toronto, S. E.—Seat "B"—*Con.*			Callahan	Gunn	Owens										
	Ward 1.....No.	31	16	13	64	93	286	300	193	110	190	11	....	6	....
	Ward 2..... "	1	10	3	19	32	71	100	39	32	68	....	....	....	....
	" ..... "	2	19	10	46	75	237	200	162	78	122	2	1	....	....
	" ..... "	3	33	11	77	121	364	400	243	122	278	1	....	....	....
	" ..... "	4	15	5	63	83	293	300	210	88	212	5	....	....	....
	" ..... "	5	19	2	39	60	150	200	90	66	134	5	1	....	....
	" ..... "	6	13	4	36	53	195	200	142	53	147	....	....	....	....
	" ..... "	7	6	4	39	49	153	200	104	49	151	....	....	....	....
	" ..... "	8	16	10	51	77	245	300	168	77	223	....	....	....	....
	" ..... "	9	14	11	47	72	264	300	192	83	217	9	1	1	....
	" ..... "	10	21	11	49	81	274	300	193	83	217	....	....	2	....
	" ..... "	11	70	6	55	131	385	400	254	134	266	....	....	3	....
	" ..... "	12	25	10	63	98	312	300	214	106	194	7	....	1	....
	" ..... "	13	20	13	86	119	372	300	253	127	173	8	....	....	....
	" ..... "	(14)	13	10	110	133	537	500	404	138	362	4	1	....	....
	" ..... "	15	13	23	69	105	444	400	339	112	288	2	....	5	....
	" ..... "	(16)	19	14	152	185	661	700	476	189	511	....	....	4	....
	" ..... "	(17)	31	24	106	161	638	600	477	175	425	14	....	....	....
	" ..... "	(18)	26	24	85	135	503	500	468	147	353	12	....	....	....
	" ..... "	19	14	12	59	85	307	300	222	95	205	10	....	....	....
	" ..... "	20	14	14	82	110	318	428	400	114	286	4	....	....	....
	" ..... "	21	7	14	60	81	184	265	300	88	212	2	....	5	....
	" ..... "	22	18	6	66	90	199	289	300	98	202	8	....	....	....
	" ..... "	23	24	10	55	89	235	324	300	94	206	....	5	....	....
	" ..... "	24	11	7	70	88	183	271	300	91	209	....	3	....	....

D. W. MARKHAM, Returning Officer.

"	"	25	32	12	67	111	216	327	300	117	183	6	....	....	....
"	"	26	14	9	74	97	240	337	300	104	196	7	....	....	....
"	"	27	10	17	122	149	297	446	500	165	335	5	....	11	....
"	"	28	12	11	81	104	272	376	400	119	281	15	....	....	....
"	"	(29)	23	16	89	128	377	505	500	135	365	3	1	3	....
"	"	(30)	22	8	114	144	464	608	600	144	456	....	....	....	....
"	"	(31)	20	24	193	237	501	738	700	243	457	6	....	....	....
"	"	(32)	20	11	144	175	351	526	500	180	320	....	4	1	....
"	"	33	11	10	72	93	227	320	300	93	207	....	....	....	....
"	"	34	7	11	112	130	327	457	500	130	370	....	....	....	....
"	"	35	16	19	133	168	328	496	500	184	316	12	4	....	....
"	"	(36)	9	26	120	155	364	519	500	173	327	18	....	....	....
"	"	37	15	5	85	105	215	320	300	109	191	2	....	2	....
"	"	38	8	13	106	127	220	347	400	140	260	13	....	....	....
"	"	39	15	3	58	76	152	228	200	79	121	3	....	....	....
"	"	40	4	5	81	90	174	264	300	98	202	2	....	6	....
Ward 3	"	1, 2	3	1	26	30	51	81	100	36	64	6	....	....	....
"	No report	3, 4	1	1	25	27	43	70	100	27	73	....	....	....	....
"	"	5 to 9	3	1	17	21	40	61	100	24	76	3	....	....	....
"	"	10 to 15	1	1	39	41	30	71	100	43	57	....	1	1	....
"	"	16, 17	.....	.....	8	8	15	23	100	8	92	....	....	....	....
"	"	18	2	3	31	36	78	114	100	36	64	....	....	....	....
"	"	19	4	5	46	55	102	157	200	59	141	1	....	3	....
"	"	21, 22, 23	.....	.....	7	7	30	37	100	9	91	2	....	....	....
"	"	20, 24 to 37	3	.....	37	40	71	111	100	41	59	1	....	....	....
"	"	38, 39	1	1	5	7	24	31	100	7	93	....	....	....	....
"	"	40, 41	4	4	27	35	87	122	100	35	65	....	....	....	....
"	"	42, 54, 55	4	1	15	20	55	75	100	20	80	....	....	....	....
"	"	43	6	11	84	101	236	337	300	117	183	16	....	....	....
"	"	44	.....	.....	7	7	16	23	100	8	92	1	....	....	....
"	"	45	10	9	50	69	129	198	200	76	124	7	....	....	....
"	"	(46)	13	15	91	119	460	579	600	121	479	2	....	....	....
"	"	47	3	7	29	39	85	124	100	40	60	....	....	1	....
"	"	48	7	13	133	153	358	511	500	165	335	12	....	....	....
"	"	49	24	11	171	206	564	770	800	218	582	9	3	....	....
"	"	50	22	15	105	142	459	601	600	148	452	1	....	5	....
"	"	51	8	8	119	135	315	450	400	142	258	....	....	7	....
"	"	(52)	21	36	146	203	481	684	700	205	495	....	1	1	....
"	"	53	1	4	14	19	34	53	100	24	76	....	5	....	....
"	"	42	.....	.....	.....	.....	.....	356	400	.....	.....	....	....	....	....
"	"	56	9	8	114	131	225	85	100	137	263	6	....	....	....
"	"	57	2	2	17	21	64	125	200	25	75	4	....	....	....
"	"	58	5	2	14	21	104	82	100	26	174	....	....	5	....
"	"	59	3	4	27	34	48	209	200	34	66	....	....	....	....
"	"	60	11	7	53	71	138	152	200	75	125	....	1	3	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers	Ballot Papers taken from Polling Places.
Toronto, S. E.—Seat "B"—*Con.*		Callahan	Gunn	Owens										
	Ward 3.....No. 61	8	3	42	53	99	268	300	56	144	3	....	....	....
	" ..... " 62	18	17	37	72	196	574	600	78	222	3	....	3	....
	" Missing sheet " (63)	15	7	69	91	483	236	200	95	505	4	....	....	....
	" ..... " 64	9	3	58	70	166	349	300	75	125	5	....	....	....
	" ..... " 65	10	15	59	84	265	382	400	91	209	3	1	3	....
	" ..... " 66	12	3	75	90	292	245	300	98	302	5	3	....	....
	" ..... " 67	9	9	46	64	181	.....	.....	67	233	3	....	....	....
	Totals.....	1,230	910	7,216	9,356	21,920	31,276	32,100	9,927	22,173	397	74	100	....
	Majority for Owens.....			5,986										
Toronto, S. W.—Seat "A".....		Bruce	Dewart	McCausland										
	Ward 4.....No. 1	2	14	41	57	192	249	250	62	188	2	....	3	....
	" ..... " 2	4	10	43	57	113	170	175	60	115	....	1	2	....
	" ..... " 3	11	1	17	29	65	94	100	29	71	....	....	....	....
	" ..... " 4	18	17	73	108	195	303	325	114	211	....	....	6	....
	" ..... " 5	15	11	30	56	109	165	175	59	116	3	....	....	....
	" ..... " 6	12	6	35	53	99	152	175	53	122	....	....	....	....
	" ..... " 7	15	16	75	106	167	273	275	118	157	12	....	....	....
	" ..... " 8, 9	5	12	33	50	199	249	275	53	222	3	....	....	....
	" ..... " 10	25	18	16	59	206	265	275	67	208	7	1	....	....
	" ..... " 11	18	18	55	91	215	306	325	98	227	6	1	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Bruce	Dewart	McCausland										
Toronto, S.W.—Seat "A"—*Con.*	Ward 5.....No. 5	11	11	40	62	116	178	300	82	218	13	....	7	....
	" ..... " 6	33	26	55	114	160	274	300	135	165	7	1	13	....
	" ..... " 7	63	24	63	150	191	341	375	163	212	13	....	....	....
	" ..... " 8	27	21	57	105	210	315	350	118	232	11	2	....	....
	" ..... " 9	20	26	103	149	253	402	425	168	257	18	1	....	....
	" ..... " 10	13	12	76	101	123	224	450	105	345	4	....	....	....
	" ..... " 11	15	24	104	143	243	386	400	158	242	15	....	....	....
	" ..... " 12	23	34	79	136	219	355	375	153	222	17	....	....	....
	" ..... " 13	46	24	47	117	220	337	350	133	217	16	....	....	....
	" ..... " 14	30	15	53	98	236	334	350	104	246	6	....	....	....
	" ..... " 15	22	38	46	106	209	315	325	118	207	12	....	....	....
	" ..... " 16	33	18	36	87	197	284	400	115	285	12	....	6	....
	" ..... " 17	26	30	67	123	186	309	325	123	202	....	....	....	....
	" ..... " 18	30	11	47	88	154	242	250	95	155	7	....	....	....
	" ..... " 19	36	32	53	121	185	306	325	144	181	23	....	....	....
	" ..... " 20	20	14	55	89	237	326	350	100	250	10	1	....	....
	" ..... " 21	17	23	52	92	145	237	250	102	148	1	3	6	....
	" ..... " 22	24	29	43	96	201	297	300	108	192	11	1	....	....
	" ..... " 23	24	28	43	95	250	345	350	106	244	10	1	....	....
	" ..... " 24	41	27	85	153	225	378	400	168	232	8	5	2	....
	" ..... " 25	16	17	98	131	237	368	375	147	228	15	1	....	....
	" ..... " 26	24	24	58	106	171	377	400	111	289	1	4	....	....
	" ..... " 27	26	17	87	130	232	362	375	137	238	....	2	5	....
	" ..... " 28	23	16	62	101	182	283	300	111	189	6	1	3	....

"	"	29	16	22	66	104	134	238	250	101	149	7	....	....	....
"	"	30	27	25	56	108	186	294	300	117	183	8	1	....	....
"	"	31	11	13	66	90	215	305	325	95	230	4	1	....	....
"	"	32	14	25	62	101	242	343	350	108	242	7	....	....	....
"	"	33	34	23	53	110	264	374	375	122	253	8	2	2	....
"	"	34	45	33	46	124	236	360	375	142	233	5	2	11	....
"	"	35	51	49	41	141	225	366	375	157	218	16	....	....	....
"	"	36	26	32	63	121	190	311	325	131	194	4	2	4	....
"	"	38	14	43	15	72	190	262	275	81	194	9	....	....	....
"	"	37	16	15	25	56	100	156	175	66	109	6	3	1	....
"	"	39	12	44	46	102	240	342	350	124	226	21	1	....	....
"	"	40	17	70	48	135	213	348	350	149	201	2	6	6	....
"	"	41	7	46	86	139	295	434	450	159	291	20	....	....	....
"	"	42	5	24	81	110	206	316	325	119	206	1	8	....	....
"	"	43	16	29	53	98	143	241	250	103	147	2	....	3	....
"	"	44	33	65	80	178	277	455	475	195	280	15	2	....	....
"	"	45	29	17	56	102	170	272	275	106	169	....	....	4	....
"	"	46	18	39	65	122	257	379	400	133	267	5	....	6	....
"	"	47	13	11	68	92	302	394	400	99	201	7	....	....	....
"	"	48	15	27	77	119	242	361	375	126	249	4	3	....	....
"	"	49	7	28	87	122	285	407	425	129	296	6	1	....	....
"	"	50	10	40	78	128	221	349	350	136	214	4	2	2	....
"	"	1 A	....	1	5	6	....	....	100	9	91	3	....	....	....
Ward 6	"	1, 2	9	31	116	156	244	400	425	123	302	2	....	5	....
"	"	3	8	26	81	115	186	301	325	176	199	6	5	....	....
"	"	4	6	29	68	103	156	259	375	109	166	4	2	....	....
"	"	5	4	26	57	87	180	267	276	94	182	6	1	....	....
"	"	6	7	16	97	120	293	413	425	130	295	9	1	....	....
"	"	7	14	22	70	106	201	307	325	114	211	4	....	4	....
"	"	12	18	19	76	113	184	297	300	117	183	1	....	3	....
"	"	13	11	24	79	114	196	310	325	129	196	15	....	....	....
"	"	14	11	27	48	86	216	302	325	93	232	2	....	5	....
"	Pt. of 16	15	12	57	102	171	245	416	425	182	243	11	....	....	....
"	"	23	14	14	77	105	162	267	274	109	165	2	2	....	....
"	"	24	23	8	75	106	219	325	350	111	239	5	....	....	....
"	"	25	18	23	95	136	212	348	350	145	205	9	....	....	....
"	"	26	9	22	62	93	136	229	250	99	156	6	....	....	....
"	"	27	19	17	77	113	200	313	325	124	201	11	....	....	....
"	"	76	24	20	73	117	201	322	300	126	174	5	....	....	....
"	"	77	30	28	98	156	287	443	450	163	287	2	....	5	....
"	"	78	13	6	91	110	190	300	300	114	186	3	....	1	....
"	"	79	10	27	100	137	243	380	400	153	247	9	....	7	....
"	"	80	12	59	89	160	365	525	525	183	342	23	....	....	....
"	"	81	27	13	101	141	285	426	450	149	301	5	3	....	....
"	"	82	34	12	89	135	226	361	375	141	234	6	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places,
			Bruce	Dewart	McCausland									
Toronto, S.W.—Seat "A"—*Con.*	Ward 6.....No. 83		17	35	99	151	249	400	400	165	235	13	1	....
	" ..... " 84		9	27	92	128	187	325	325	128	197	....	....	....
	" ..... " 85		17	17	98	132	163	305	325	134	191	1	1	....
	" ..... " 86		9	10	71	90	263	353	375	97	278	4	....	3
	" ..... " 87		22	9	70	101	179	280	301	107	194	2	2	2
	" ..... " 88		25	24	64	113	181	304	300	117	183	4	....	....
	" ..... " 89		10	15	94	119	178	297	300	126	174	7	....	....
	" ..... " 90		5	21	86	112	207	319	325	125	200	13	....	....
	" ..... " 91		13	20	96	129	197	316	325	140	185	11	....	....
	" ..... " 92		18	23	68	109	217	326	350	115	235	2	....	4
	" ..... " 93		18	22	75	115	188	303	325	120	205	1	....	4
	" ..... " 94		18	39	126	183	274	457	475	196	279	12	....	1
	" ..... " 95		18	15	80	113	244	357	375	125	250	1	1	10
	" ..... " 96		2	24	65	91	219	310	325	111	214	10	....	10
	" ..... " 97		13	14	64	91	192	283	300	111	189	14	1	5
	" ..... " 98		13	19	77	109	220	329	350	112	238	3	....	....
	" ..... " 99		15	14	46	75	223	298	300	90	210	8	2	5
	" ..... " 100		15	12	74	101	147	248	250	107	143	6	....	....
	" ..... " 101		16	21	51	88	162	250	250	88	162	....	....	....
	" ..... " 102		11	43	52	106	150	256	275	111	164	5	....	....
	Totals.....		2,812	3,472	8,233	14,537		42,106						
	Majority for McCausland...				4,761									

Toronto, S.W.—
Seat "B"

			Mc-Donald	Mc-Brien	Ramsden	Singer									
Ward 4	No.	1	3	38	11	7	59	190	249	250	62	188	1	....	2	....
"	"	2	3	43	3	8	57	113	170	175	60	115	1	....	2	....
"	"	3	13	17	.....	.....	30	64	94	100	30	70	....	....	....	....
"	"	4	23	73	6	6	108	195	303	325	114	211	6	....	....	....
"	"	5	13	26	5	10	54	111	165	175	54	121	....	....	....	....
"	"	6	13	32	1	2	48	104	152	175	53	122	5	....	....	....
"	"	7	12	77	19	1	109	164	273	275	118	157	9	....	....	....
"	"	8, 9	5	26	5	13	49	200	249	275	53	222	4	....	....	....
"	"	10	26	15	5	15	61	204	265	275	66	209	5	....	....	....
"	"	11	11	41	21	17	90	216	306	325	98	227	7	1	....	....
"	"	12	10	24	5	12	51	152	203	225	54	171	....	3	....	....
"	"	13	11	82	4	17	114	150	264	275	120	155	4	2	....	....
"	"	14	17	33	4	7	61	112	173	175	67	108	5	1	....	....
"	"	15	20	50	9	29	108	136	244	250	108	142	....	....	....	....
"	"	16	22	30	15	4	71	111	182	200	76	124	3	....	2	....
"	"	17	20	49	17	16	102	108	210	225	108	117	5	1	....	....
"	"	18	5	29	11	35	80	149	229	250	81	169	1	....	....	....
"	"	19	8	40	7	48	103	108	211	225	103	122	....	....	....	....
"	"	20	12	22	8	23	65	103	168	175	65	110	....	....	....	....
"	"	21	21	33	7	21	82	249	331	350	88	262	....	6	....	....
"	"	22	18	45	7	41	111	199	310	325	112	213	....	1	....	....
"	"	23	15	21	6	29	71	154	225	225	76	149	5	....	....	....
"	"	24	9	24	7	21	61	131	192	200	64	136	2	1	....	....
"	"	25	6	44	6	24	80	184	264	275	86	189	5	....	1	....
"	"	26	15	34	5	59	113	244	357	375	124	251	11	....	....	....
"	"	27	7	19	6	21	53	126	179	200	60	140	6	....	1	....
"	"	28	2	42	20	15	79	235	314	325	82	243	1	1	1	....
"	"	29	8	23	21	34	86	187	273	275	92	183	....	....	6	....
"	"	30	15	19	6	59	99	137	236	250	99	151	....	....	....	....
"	"	31	11	18	3	69	101	123	224	225	103	122	....	2	....	....
"	"	32	8	13	3	41	65	100	165	175	71	104	5	....	1	....
"	"	33	7	19	13	40	79	147	226	250	79	171	....	....	....	....
"	"	34	8	46	10	47	111	244	355	375	116	259	1	3	1	....
"	"	35	5	29	14	29	77	162	239	250	86	164	6	1	2	....
"	"	36	5	19	9	16	49	207	256	275	57	218	6	2	....	....
"	"	37	31	13	4	26	74	133	207	225	86	139	7	....	5	....
"	"	38	28	1	18	16	63	89	152	175	65	110	2	....	....	....
"	"	39	12	31	4	39	86	149	235	250	99	151	13	....	....	....
"	"	40	25	36	10	44	115	205	320	325	150	175	20	....	15	....
"	"	41	20	42	4	31	97	141	238	250	106	144	8	1	....	....
"	"	42	32	36	7	24	99	198	297	300	105	195	6	....	....	....
"	"	43	29	42	10	23	104	186	290	300	114	186	9	1	....	....
"	"	44	30	12	1	47	90	140	230	250	97	153	6	....	1	....

HUGH HARKINS,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.					Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
							Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
				McDonald	McBrien	Ramsden	Singer										
Toronto, S.W.—Seat "B"—*Con.*	Ward 4	No.	45	12	10	2	60	84	128	212	225	84	141	....	....	....	....
	"	"	46	39	18	3	68	128	160	288	300	138	162	6	3	1	....
	"	"	47	24	19	11	45	99	153	252	275	102	173	3	....	....	....
	"	"	48	11	39	7	23	80	159	239	250	86	164	4	1	1	....
	"	"	49	22	20	5	64	111	164	275	275	111	164	....	....	....	....
	"	"	50	16	33	6	20	75	174	249	250	83	167	8	....	....	....
	"	"	51	3	23	7	47	80	96	176	200	89	111	9	....	....	....
	"	"	52	16	60	7	42	125	225	350	350	130	220	4	....	1	....
	Ward 5	"	1	14	44	25	5	88	268	356	375	104	271	16	....	....	....
	"	"	2	13	30	37	8	88	182	270	300	100	200	6	1	5	....
	"	"	3	7	24	3	.....	34	230	264	275	36	239	2	....	....	....
	"	"	4	11	31	29	19	90	151	241	275	97	178	6	....	1	....
	"	"	5	6	30	22	8	66	112	178	300	82	218	14	....	2	....
	"	"	6	24	47	38	14	123	151	274	300	134	166	10	....	1	....
	"	"	7	30	52	25	22	129	212	341	375	138	237	9	....	....	....
	"	"	8	27	40	34	11	112	203	315	350	118	232	4	2	....	....
	"	"	9	20	87	33	10	150	252	402	425	169	256	18	1	....	....
	"	"	10	11	68	14	2	95	129	224	450	105	345	10	....	....	....
	"	"	11	22	104	15	5	146	240	386	400	158	242	12	....	....	....
	"	"	12	9	58	44	27	138	217	355	375	153	222	15	....	....	....
	"	"	13	30	46	17	29	122	215	337	350	133	217	11	....	....	....
	"	"	14	25	49	12	8	94	240	334	350	104	246	10	....	....	....
	"	"	15	16	43	20	24	103	212	315	325	118	207	15	....	....	....
	"	"	16	6	28	31	29	94	190	284	400	105	295	11	....	....	....

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RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.					Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
							Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			McDonald	McBrien	Ramsden	Singer										
Toronto, S.W.—Seat "B"—*Con.*	Ward 6.....No. 23		19	71	3	9	102	165	267	274	109	165	5	2	....	....
	" ..... " 24		20	75	9	1	105	220	325	350	111	239	6	....	....	....
	" ..... " 25		13	87	24	6	130	218	348	350	145	205	15	....	....	....
	" ..... " 26		6	61	13	12	92	137	229	250	99	151	7	....	....	....
	" ..... " 27		21	73	9	6	109	204	313	325	122	203	13	....	....	....
	" ..... " 76		25	75	6	11	117	205	322	325	122	203	5	....	....	....
	" ..... " 77		30	92	27	5	154	289	443	450	163	287	5	....	4	....
	" ..... " 78		13	91	6	2	112	188	300	300	117	183	4	....	1	....
	" ..... " 79		12	101	16	7	136	244	380	400	153	247	12	....	5	....
	" ..... " 80		22	82	28	22	154	371	525	525	175	350	21	....	....	....
	" ..... " 81		27	96	8	4	135	291	426	450	148	302	11	2	....	....
	" ..... " 82		30	85	8	9	132	229	361	375	144	231	9	3	....	....
	" ..... " 83		20	95	15	17	147	253	400	400	165	235	17	1	....	....
	" ..... " 84		13	91	11	6	121	204	325	325	128	197	4	1	2	....
	" ..... " 85		18	96	9	6	129	176	305	325	134	191	4	1	....	....
	" ..... " 86		7	74	3	4	88	269	353	375	97	278	7	....	2	....
	" ..... " 87		14	68	6	6	104	176	280	300	115	195	9	....	2	....
	" ..... " 88		22	65	13	10	110	194	304	325	113	212	3	....	....	....
	" ..... " 89		12	89	9	4	114	183	297	300	127	173	12	1	....	....
	" ..... " 90		5	93	14	1	113	206	319	325	125	200	12	....	....	....
	" ..... " 91		10	98	14	1	123	193	316	325	140	185	17	....	....	....
	" ..... " 92		12	68	23	2	105	221	326	350	115	235	8	....	2	....
	" ..... " 93		16	69	20	8	113	190	303	325	120	205	1	....	6	....
	" ..... " 94		17	111	46	7	181	276	457	475	197	278	15	....	1	....

	"	" 95	8	80	24	9	121	236	357	375	125	250	2	1	1	....
	"	" 96	1	66	17	10	94	216	310	325	101	224	5	....	2	....
	"	" 97	10	67	16	2	95	178	283	300	115	185	18	....	2	....
	"	" 98	12	71	15	8	106	223	329	350	112	238	6	....	....	....
	"	" 99	15	47	14	6	82	216	298	300	92	208	4	2	4	....
	"	" 100	11	67	18	3	99	149	248	250	107	143	8	....	....	....
	"	" 101	10	56	19	2	87	163	250	250	94	156	4	1	2	....
	"	" 102	10	50	33	12	105	161	256	275	111	164	6	....	....	....
	Totals		2,211	7,756	2,198	2,598	14,763		42,106							
	Majority for McBrien			5,158												

				Graham	Mark	Watson										
N. Victoria and Haliburton	Eldon	A to M	No. 1	5	59	90	154	58	212	225	154	71	....	....	....	....
	"	Mc to Z	" 1	8	41	76	125	38	163	175	125	50	....	....	....	....
	"	A to M	" 2	1	37	61	99	32	131	150	99	51	....	....	....	....
	"	Mc to Z	" 2	3	54	76	133	53	186	200	133	67	....	....	....	....
	"	A to M	" 3	21	63	34	119	70	189	200	119	81	1	....	....	....
	"	Mc to Z	" 3	11	63	36	112	66	178	175	112	63	1	1	....	....
	"		" 4	16	62	93	173	98	271	300	173	125	2	....	....	....
	Carden		" 1	9	14	46	71	101	172	200	71	129	1	1	....	....
	"		" 2	4	40	46	90	35	125	150	90	60	....	....	....	....
	Dalton		" 1	1	38	31	70	51	121	125	70	55	....	....	....	....
	"		" 2	.....	31	24	63	24	87	100	63	37	8	....	....	....
	Woodville	A to L	" 1	12	59	42	114	43	157	150	114	36	1	....	....	....
	"	M to Z	" 1	15	66	59	140	34	174	175	140	35	....	....	....	....
	Fenelon		" 1	.....	40	24	66	27	93	100	66	34	2	....	....	....
	"		" 2	13	112	101	226	71	297	300	226	74	....	....	....	....
	"		" 3	9	32	135	178	66	244	250	178	72	2	....	....	....
	"		" 4	7	53	132	195	50	245	250	195	55	2	1	....	....
	"	A to L	" 5	28	39	46	114	30	144	150	114	36	1	....	....	....
	"	M to Z	" 5	17	27	71	115	40	155	173	115	58	....	....	....	....
	Fenelon Falls	A to L	" 1	54	36	35	127	55	182	200	127	73	2	....	....	....
	"	M to Z	" 1	65	51	23	140	36	176	175	140	35	1	....	....	....
	"	A to L	" 2	64	51	21	140	42	182	200	140	60	4	....	....	....
	"	M to Z	" 2	58	47	26	137	27	164	175	137	38	5	1	....	....
	Somerville		" 1	7	16	15	38	23	61	100	38	62	....	....	....	....
	"		" 2	5	80	55	140	39	179	200	140	60	....	....	....	....
	"		" 3	28	147	26	201	95	296	300	201	99	....	....	....	....
	"		" 4	.....	31	9	40	26	66	75	40	35	....	....	....	....
	"		" 5	16	84	16	116	76	192	200	116	85	....	....	....	....
	"		" 6	4	15	58	77	16	93	98	77	21	....	....	....	....

ISAAC NAYLOR, Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Graham	Mark	Watson										
N. Victoria and Haliburton—*Con.*	Bexley..... No. 1		13	120	9	144	76	220	225	144	81	2	....	....	....
	" ..... " 2		10	44	29	87	84	171	200	87	113	4	....	....	....
	Laxton.....		8	118	40	166	57	223	225	166	59	....	....	....	....
	Digby.....		2	18	18	38	17	55	100	38	62	....	....	....	....
	Lutterworth.....		1	64	27	92	94	186	200	95	105	....	....	....	....
	Anson and Hindon.....		9	57	27	93	28	121	125	93	32	....	....	....	....
	Minden..... A to L No. 1		8	31	77	116	61	177	200	116	84	....	....	....	....
	" ..... M to Z " 1		9	38	59	108	51	159	150	108	42	....	2	....	....
	" ..... " 2		1	14	76	91	41	132	150	91	59	....	....	....	....
	Snowdon..... " 1		13	84	72	170	89	259	275	170	105	....	....	....	....
	" ..... " 2		4	29	19	52	42	94	100	52	48	....	....	....	....
	Stanhope..... " 1		1	34	60	97	32	129	150	97	53	....	....	....	....
	" ..... " 2		3	15	41	59	21	80	100	59	41	....	....	....	....
	Sherbourne.....		11	45	3	59	78	137	200	59	141	....	....	....	....
	Glamorgan.....		19	57	11	89	118	207	225	89	136	1	....	1	....
	Dysart..... A to L No. 1		9	148	73	230	113	343	250	230	20	....	....	....	....
	" ..... M to Z " 1		12	73	63	150	88	238	250	150	100	2	....	....	....
	" ..... " 2		.....	75	16	91	26	117	125	91	34	....	....	....	....
	" ..... " 3		2	10	7	19	8	27	50	19	31	....	....	....	....
	" ..... " 4		2	15	.....	17	15	32	50	17	33	....	....	....	....
	" ..... " 5		5	10	11	26	18	44	50	26	24	....	....	....	....
	Monmouth..... " 1		9	55	41	105	57	162	175	106	69	....	1	....	....
	" ..... " 2		48	38	8	95	27	122	125	95	30	....	1	....	....
	Cardiff..... " 1		16	1	3	20	25	45	50	20	30	....	....	....	....

	" ..... " 2	4	26	47	79	83	162	175	79	96	2	....	....	....
	" ..... " 3	.....	1	8	9	25	34	50	9	41	....	....	....	....
	Sturgeon Point.....	4	3	1	8	97	105	100	8	92	....	....	....	....
	Totals.....	704	2,711	2,353	5,823	2,993	8,716	9,346	5,827	3,518	44	8	3	....
	Majority for Mark.....		358											

			O'Connor	Patterson	Sandy									
South Victoria...	Lindsay, North Ward.....No. 1	31	97	21	149	44	193	200	150	50	....	....	1	....
	" " " ..... " 1 A	31	90	34	155	94	249	200	157	43	....	1	1	....
	" " " ..... " 1 B	43	96	37	176	20	196	250	177	73	1	....	....	....
	" " " ..... " 2	50	117	20	187	89	276	285	190	95	3	....	....	....
	" " " ..... " 2 A	40	119	24	183	77	260	265	187	78	3	1	....	....
	" " " ..... " 3	45	154	20	219	69	288	300	221	79	1	1	....	....
	" " " ..... " 3 A	52	151	24	227	79	306	325	227	98	....	....	....	....
	" South " ..... " 1	48	157	31	236	106	342	350	239	111	2	1	....	....
	" " " ..... " 1 A	52	107	15	174	76	250	260	174	86	....	....	....	....
	" " " ..... " 2	44	164	17	225	102	327	330	228	102	3	....	....	....
	" " " ..... " 2 A	40	102	18	160	74	234	240	160	80	....	....	....	....
	" " " ..... " 3	69	97	8	174	73	247	250	178	72	1	....	3	....
	" " " ..... " 3 A	64	98	9	171	87	258	275	173	102	1	1	....	....
	" " " ..... " 4	100	69	9	178	77	255	275	181	94	3	....	....	....
	" " " ..... " 4 A	124	76	15	215	108	323	330	215	115	....	....	....	....
	" " " ..... " 4 B	89	68	5	162	67	229	235	163	72	1	....	....	....
	" East " ..... " 1	50	84	12	146	43	189	195	146	49	....	....	....	....
	" " " ..... " 1 A	71	80	12	163	56	219	225	164	61	1	....	....	....
	" " " ..... " 2	94	136	25	255	76	331	340	258	82	....	3	....	....
	" " " ..... " 2 A	87	101	21	209	49	258	260	214	46	5	....	....	....
	Tp. of Ops..... " 1	56	39	98	193	41	234	250	193	57	....	....	....	....
	" ..... " 2	30	89	104	223	73	296	300	223	77	....	....	....	....
	" ..... " 3	38	36	100	174	46	220	225	175	50	1	....	....	....
	" ..... " 4	36	45	72	153	50	203	215	155	60	2	....	....	....
	" ..... " 5	2	83	142	227	38	265	275	232	43	1	4	....	....
	" ..... " 6	19	70	85	174	42	216	225	176	49	....	....	2	....
	Tp. of Verulam..... " 1	15	70	65	150	37	187	199	151	50	1	....	....	....
	" ..... " 2	19	50	100	169	65	234	250	171	79	2	....	....	....
	" ..... " 3	6	33	135	174	33	207	215	175	40	....	1	....	....
	" ..... " 4	6	19	91	116	40	156	165	117	48	1	....	....	....
	" ..... " 5	8	42	70	120	28	148	150	120	30	....	....	....	....
	" ..... " 6	3	15	32	50	26	76	90	50	40	....	....	....	....
	Bobcaygeon..... " 1	39	63	21	123	38	161	165	124	41	1	....	....	....
	" ..... " 1 A	39	85	25	149	53	202	215	150	65	1	....	....	....
	" ..... " 2	40	100	44	184	72	256	264	185	79	1	....	....	....

A. J. CAMPBELL, Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		O'Connor	Patterson	Sandy										
South Victoria. —*Con*.....	Tp. of Mariposa ..... No. 1	4	36	66	106	49	155	175	166	69	....	....	....	....
	" ..... " 1 A	4	30	74	108	47	155	175	108	67	..	..	....	....
	" ..... " 2	6	67	140	213	40	253	275	215	62	3	..	....	....
	" ..... " 3	16	31	85	132	62	194	200	133	67	1	....	....	....
	" ..... " 3 A	15	31	114	160	53	213	225	161	64	1	....	....	....
	" ..... " 4	17	26	59	102	54	156	175	107	68	2	3	....	....
	" ..... " 4 A	16	54	89	159	66	225	250	159	91	....	....	....	....
	" ..... " 5	10	24	80	114	59	173	175	114	61	....	....	....	....
	" ..... " 5 A	11	16	54	81	43	124	150	82	68	1	....	....	....
	" ..... " 6	2	28	128	158	63	221	225	160	65	1	1	....	....
	" ..... " 7	7	7	104	118	34	152	175	119	56	1	....	....	....
	" ..... " 7 A	1	21	95	117	38	155	175	117	58	....	....	....	....
	" ..... " 8	.....	28	83	111	49	160	175	111	64	....	....	....	....
	Tp. of Emily..... " 1	2	45	107	154	26	180	190	155	35	1	....	....	....
	" ..... " 2	5	42	60	107	24	131	140	107	33	....	....	....	....
	" ..... " 3	3	31	88	122	48	170	175	122	53	....	....	....	....
	" ..... " 4	64	3	122	189	52	241	250	195	55	4	....	2	....
	" ..... " 5	5	50	42	97	23	•120	125	97	28	....	....	....	....
	" ..... " 6	36	4	38	78	17	95	100	79	21	1	....	....	....
	" ..... " 7	15	26	89	130	36	166	175	133	42	....	3	....	....
	Omemee..... " 1	8	100	38	146	51	197	200	146	54	....	....	....	....
	" ..... " 1 A	6	110	36	152	42	194	200	153	47	1	....	....	....
	Advance Railway Poll.....	32	68	2	102	.....	.....	120	103	17	1	....	....	....
	Totals.....	1,865	3,880	3,354	9,099	3,022	12,121	12,818	9,181	3,641	53	20	9	....
	Majority for Patterson.....		526											

				Asmussen	Lockhart	Weber	Weichel										
North Waterloo..	Kitchener	No.	1	82	6	27	75	190	220	410	425	191	234	....	....	1	....
	"	"	2	50	9	17	76	152	198	350	375	153	222	1	....	....	....
	"	"	3 A	86	10	4	93	193	262	455	475	200	275	7	....	....	....
	"	"	3 B	78	11	8	84	181	176	357	375	184	191	3	....	....	....
	"	"	4	55	3	7	72	137	105	242	250	137	113	....	....	....	....
	"	"	5	93	5	18	79	195	137	332	400	197	203	....	1	1	....
	"	"	6	70	9	5	70	154	128	282	300	154	146	....	....	....	....
	"	"	7 A	40	4	18	40	102	135	237	250	103	147	....	1	....	....
	"	"	7 B	50	1	11	51	113	122	235	250	114	136	1	....	....	....
	"	"	8	28	8	15	90	141	151	292	300	141	159	....	....	....	....
	"	"	9 A	24	1	46	76	147	131	278	297	148	149	1	....	....	....
	"	"	9 B	23	4	42	51	120	97	217	225	120	105	....	....	....	....
	"	"	10	69	3	27	90	189	151	340	325	191	134	1	1	....	....
	"	"	11	50	5	50	70	175	185	360	375	178	197	....	....	3	....
	"	"	12	40	9	36	69	154	244	398	400	156	244	2	....	....	....
	"	"	13	27	3	57	83	170	173	343	350	170	180	....	....	....	....
	"	"	14 A	28	3	57	52	140	121	261	275	140	135	....	....	....	....
	"	"	14 B	13	4	34	44	95	95	190	200	97	103	....	2	....	....
	"	"	15 A	25	3	25	42	95	140	235	250	95	155	....	....	....	....
	"	"	15 B	28	6	39	35	108	128	236	250	108	142	....	....	....	....
	"	"	16 A	44	4	32	21	101	187	288	250	101	149	....	....	....	....
	"	"	16 B	33	3	46	41	123	117	240	250	123	127	....	....	....	....
	"	"	17	26	2	15	27	70	95	165	175	70	105	....	....	....	....
	"	"	18	42	3	22	63	130	210	340	350	132	218	1	1	....	....
	"	"	19 A	67	4	15	59	145	215	360	324	146	179	1	....	....	....
	"	"	19 B	65	12	20	65	162	70	232	249	163	86	....	1	....	....
	"	"	20	44	6	34	66	150	153	303	325	152	173	2	....	....	....
	"	"	21	74	14	6	33	127	83	210	225	128	97	1	....	....	....
	"	"	22 A	99	2	26	46	173	167	340	350	174	176	1	....	....	....
	"	"	22 B	79	6	13	29	127	161	288	300	130	170	2	1	....	....
	"	"	23	24	2	9	73	108	196	304	325	108	216	....	....	....	....
	"	"	24 A	37	4	29	54	124	101	225	225	125	100	1	....	....	....
	"	"	24 B	35	6	35	49	125	148	273	275	125	150	....	....	....	....
	"	"	25 A	45	1	24	65	135	135	270	274	137	137	2	....	....	....
	"	"	25 B	50	5	14	54	123	103	226	250	124	126	1	....	....	....
	"	"	26 A	51	7	14	77	149	154	303	325	149	176	....	....	....	....
	"	"	26 B	36	6	10	73	125	120	245	250	127	123	....	....	2	....
	"	"	27	46	10	23	87	166	124	290	300	166	134	....	....	....	....
	"	"	28	49	10	16	108	183	167	350	350	183	167	....	....	....	....
	Waterloo Town	"	1	19	1	5	134	159	102	261	275	159	116	....	....	....	....
	"	"	2	27	2	13	202	244	140	384	400	248	152	3	1	....	....
	"	"	3 A	24	2	16	117	159	107	266	275	160	115	1	....	....	....
	"	"	3 B	23	8	20	140	191	34	225	250	191	59	....	....	....	....

J. G. Hurst,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.				Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
						Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Asmussen	Lockhart	Weber	Weichel										
Waterloo, North.															
Con.....	Waterloo Town.....No. 4 A	27	2	15	108	152	74	226	250	152	98	....	....	....	....
	" ..... " 4 B	37	.....	12	92	141	63	204	225	141	84	....	....	....	....
	" ..... " 5 A	34	2	17	132	185	49	234	225	185	40	....	....	....	....
	" ..... " 5 B	49	6	7	110	172	120	292	300	172	128	....	....	....	....
	" ..... " 6 A	23	1	24	164	212	131	343	350	215	135	3	....	....	....
	" ..... " 6 B	33	2	33	140	208	138	346	349	209	140	1	....	....	....
	" ..... " 7 A	18	2	13	87	120	86	206	221	123	98	....	3	....	....
	" ..... " 7 B	16	1	31	82	130	80	210	225	130	95	....	....	....	....
	" ..... " 8	18	2	28	83	131	105	236	250	133	117	2	....	....	....
	Elmira Town..... " 1 A	44	5	34	78	161	119	280	300	162	138	....	1	....	....
	" ..... " 1 B	31	11	44	90	176	111	287	300	178	122	2	....	....	....
	" ..... " 2 A	34	8	51	131	224	136	360	375	229	146	4	1	....	....
	" ..... " 2 B	28	1	36	120	185	146	331	350	188	162	1	1	1	....
	Wellesley Tp..... " 1	38	1	4	17	60	174	234	250	60	190	....	....	....	....
	" ..... " 2	123	1	24	56	204	193	397	400	204	196	....	....	....	....
	" ..... " 3	23	.....	28	23	74	247	321	350	74	276	....	....	....	....
	" ..... " 4	38	3	16	38	95	221	316	325	96	229	1	....	....	....
	" ..... " 5	131	3	28	111	273	176	449	475	275	200	1	....	1	....
	" ..... " 6 A	26	2	16	57	101	146	247	275	105	170	....	....	4	....
	" ..... " 6 B	12	2	8	57	79	144	223	275	80	195	1	....	....	....
	" ..... " 7	5	.....	9	9	23	123	146	175	23	152	....	....	....	....
	Woolwich Tp..... " 1	7	.....	32	27	66	131	197	200	66	134	....	....	....	....
	" ..... " 2	40	.....	24	59	123	175	298	300	123	177	....	....	....	....
	" ..... " 3 A	20	.....	21	37	78	162	240	250	80	170	....	2	....	....

"	"	3 B	17	.....	31	30	78	198	276	299	78	221	....	....	....	....
"	"	4	22	1	21	43	87	266	353	375	87	288	....	....	....	....
"	"	5	14	5	69	27	115	226	341	350	115	235	....	....	....	....
"	"	6	24	1	9	12	46	161	207	225	46	179	....	....	....	....
"	"	7	13	2	39	51	105	118	223	225	106	119	1	....	....	....
Waterloo Tp	"	1	53	3	10	47	113	120	233	250	113	137	....	....	....	....
"	"	2	10	.....	20	44	74	132	206	225	74	151	....	....	....	....
"	"	3 A	26	4	8	37	75	229	304	325	75	250	....	....	....	....
"	"	3 B	17	3	27	29	76	183	259	275	76	199	....	....	....	....
"	"	4	25	3	11	84	123	248	371	375	124	251	1	....	....	....
"	"	5 A	34	1	31	18	84	166	250	275	85	190	1	....	....	....
"	"	5 B	25	4	22	15	66	218	284	300	66	234	....	....	....	....
Totals			3,133	309	1,853	5,370	10,665	11,703	22,368	23,413	10,746	12,667	51	17	12	....
Majority for Weichel						2,237										

J. M. Jamieson, Returning Officer.

				Homuth	Mercer										
Waterloo, South.	Galt	A to L	No. 1	47	101	150	194	344	350	150	200	2	....	....	....
"	"	M to Z	" 1	53	81	134	234	368	375	134	241	....	....	....	....
"	"	A to K	" 2	47	86	134	154	288	300	134	167	1	....	....	....
"	"	L to Z	" 2	67	98	165	160	325	325	165	160	....	....	....	....
"	"	A to J	" 3	28	75	103	116	219	224	103	121	....	....	....	....
"	"	K to Z	" 3	36	90	126	100	226	250	126	124	....	....	....	....
"	"	A to J	" 4	31	58	89	132	221	225	90	135	....	1	....	....
"	"	K to Z	" 4	38	62	101	105	206	225	101	124	1	....	....	....
"	"	A to L	" 5	33	39	73	183	256	275	73	202	1	....	....	....
"	"	M to Z	" 5	26	48	74	160	234	250	74	176	....	....	....	....
"	"	A to K	" 6	48	92	141	127	268	275	141	134	1	....	....	....
"	"	L to Z	" 6	39	78	117	144	261	275	117	158	....	....	....	....
"	"	A to K	" 7	50	120	173	106	279	300	173	127	3	....	....	....
"	"	L to Z	" 7	46	111	159	143	302	325	159	166	2	....	....	....
"	"	A to K	" 8	41	64	106	145	251	275	107	168	1	1	....	....
"	"	L to Z	" 8	53	65	118	117	235	250	118	132	....	....	....	....
"			" 9	61	146	207	141	348	350	207	143	....	....	....	....
"	"	A to K	" 10	45	88	133	112	345	350	133	217	....	....	....	....
"	"	L to Z	" 10	43	75	118	204	322	325	118	207	....	....	....	....
"	"	A to K	" 11	88	84	172	152	324	325	172	153	....	....	....	....
"	"	L to Z	" 11	97	77	175	145	320	325	175	150	1	....	....	....
"	"	A to L	" 12	59	112	173	157	330	350	174	176	2	1	....	....
"	"	M to Z	" 12	61	132	193	159	352	375	193	182	....	....	....	....
"	"	A to K	" 13	69	135	207	205	412	425	207	218	3	....	....	....
"	"	L to Z	" 13	58	146	206	202	408	425	206	219	2	....	....	....
"	"	A to I	" 14	54	61	115	114	229	250	115	135	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Waterloo, South. —*Con.*		Homuth	Mercer										
	Galt.....J to Z No. 14	39	83	122	95	217	225	122	103	....	....	....	....
	" .....A to K " 15	92	84	178	153	331	351	178	173	2	....	....	....
	" .....L to Z " 15	90	63	153	183	336	349	154	195	....	1	....	....
	" .....A to J " 16	90	66	158	162	320	325	160	165	2	2	....	....
	" .....K to Z " 16	79	86	165	167	332	350	166	184	....	1	....	....
	Preston.....A to L " 1	81	71	153	123	276	300	153	147	1	....	....	....
	" .....M to Z " 1	103	69	172	98	270	278	172	106	....	....	....	....
	" .....A to L " 2	86	64	150	84	234	249	150	99	....	....	....	....
	" .....M to Z " 2	78	58	138	69	207	225	138	89	....	....	....	....
	" .....A to K " 3	78	68	148	103	251	275	148	127	2	....	....	....
	" .....L to Z " 3	87	83	172	106	278	300	173	127	2	....	1	....
	" .....A to J " 4	85	79	167	82	249	250	167	83	3	....	....	....
	" .....K to Z " 4	104	69	173	93	266	275	174	101	....	....	1	....
	" .....A to J " 5	156	83	241	104	345	350	241	109	2	....	....	....
	" .....K to Z " 5	145	89	235	96	331	349	235	114	1	....	....	....
	" ..... " 6	96	75	171	117	288	300	171	129	....	....	....	....
	Hespeler.....A to F " 1	93	61	156	149	305	325	156	169	2	....	....	....
	" .....G to M " 1	95	72	168	174	342	350	168	182	1	....	....	....
	" .....Mc to Z " 1	98	96	194	166	360	375	194	181	....	....	....	....
	" .....A to K " 2	100	97	198	198	396	402	200	202	1	2	....	....
	" .....L to Z " 2	107	64	171	202	373	375	171	204	....	....	....	....
	New Hamburg.....A to K " 1	45	119	165	151	316	325	165	160	1	....	....	....
	" .....L to Z " 1	40	120	160	178	338	350	160	190	....	....	....	....
	" ..... " 2	18	91	110	117	227	250	110	140	1	....	....	....
	Ayr.....A to J " 1	74	64	140	153	293	300	140	160	2	....	....	....

" .....K to Z "	1	74	46	122	171	293	301	122	179	2	....	....	....
Tp. of North Dumfries..... "	1	52	38	91	60	151	177	92	85	1	1	....	....
" ..... "	2	89	46	137	257	394	400	137	263	2	....	....	....
" ..... "	3	138	53	192	166	358	375	194	181	1	2	....	....
" ..... "	4	110	10	120	94	214	225	120	105	....	....	....	....
" ..... "	5	102	22	124	149	273	275	124	151	....	....	....	....
Tp. of Waterloo..... "	1	59	13	72	266	338	350	73	277	....	1	....	....
" ..... "	2	69	96	168	166	334	350	168	182	3	....	....	....
" ..... "	3	73	19	93	190	283	300	93	207	1	....	....	....
" .....A to J "	4	100	28	129	97	226	250	130	120	1	1	....	....
" .....K to Z "	4	65	26	93	143	236	250	93	157	2	....	....	....
" ..... "	5	106	10	117	106	223	225	118	107	1	....	1	....
" ..... "	6	88	30	118	121	239	250	118	132	....	....	....	....
Tp. of Wilmot.....A to K "	1	20	22	43	179	222	225	43	182	1	....	....	....
" .....L to Z "	1	42	22	64	134	198	200	64	136	....	....	....	....
" .....A to K "	2	38	16	35	191	226	251	35	196	1	....	....	....
" .....L to Z "	2	34	12	47	148	195	200	47	153	1	....	....	....
" ..... "	3	46	34	80	269	349	350	80	270	....	....	....	....
" .....A to K "	4	8	55	64	250	314	325	64	261	1	....	....	....
" .....L to Z "	4	24	64	88	276	364	375	88	287	....	....	....	....
" ..... "	5	92	14	106	234	340	350	106	244	....	....	....	....
" ..... "	6	100	17	118	178	296	300	118	182	1	....	....	....
Totals.....		5,006	4,991	10,059	11,214	21,273	22,031	10,076	11,955	62	15	2	....
Majority for Homuth.....		15											

			Cooper	Mc-Donagh	Vaughan									
Welland.....	Crowland Tp.....No.	1	77	66	34	179	70	249	275	179	96	2	....	....	....
	" ..... "	2	19	4	109	133	97	230	250	133	117	1	....	....	....
	" ..... "	3	26	67	54	147	78	225	250	149	101	....	....	2	....
	" ..... "	4	10	5	74	92	64	156	175	93	82	3	1	....	....
	" ..... "	5	39	1	65	106	106	212	250	106	144	1	....	....	....
	" ..... "	6	21	8	34	64	32	96	125	64	61	1	....	....	....
	Fonthill Village..... "	1	37	21	74	132	107	239	175	132	43	....	....	....	....
	Humberstone Tp..... "	1	25	26	87	138	101	239	175	138	37	....	....	....	....
	" ..... "	2	47	54	59	160	56	216	251	160	91	....	....	....	....
	" ..... "	3	47	29	48	124	87	211	250	125	125	....	1	....	....
	" ..... "	4	20	16	20	58	31	89	100	58	42	2	....	....	....
	" ..... "	5	58	11	48	118	60	178	200	120	80	1	2	....	....
	" ..... "	6	41	12	39	92	60	152	175	92	83	....	....	....	....
	" ..... "	7	32	15	22	69	42	111	125	69	56	....	....	....	....
	Humberstone Village..... "	1	60	5	80	148	153	301	325	148	177	3	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Cooper	Mc-Donagh	Vaughan										
Welland. —*Con*.....	Humberstone Village.....No. 2	57	3	71	131	103	234	275	131	144	....	....	....	....
	" ..... " 3	118	11	77	207	140	347	374	211	163	1	2	2	....
	Port Colborne..... " 1 A	132	7	113	264	174	438	475	266	209	12	2	....	....
	" ..... " 1M	147	9	82	238	156	394	424	244	180	....	6	....	....
	" ..... " 2 A	113	.....	121	245	141	386	425	245	180	11	....	....	....
	" ..... " 2M	73	6	63	152	132	284	300	152	148	10	....	....	....
	" ..... " 3	176	19	101	305	155	460	475	305	170	9	....	....	....
	Thorold Town..... " 1 A	35	5	130	171	159	330	351	171	180	1	....	....	....
	" ..... " 1M	56	5	106	172	144	316	350	172	178	5	....	....	....
	" ..... " 2 A	34	9	159	202	134	336	350	202	148	....	....	....	....
	" ..... " 2M	43	7	109	161	163	324	350	161	189	2	....	....	....
	" ..... " 3 A	42	1	118	162	222	384	400	162	238	1	....	....	....
	" ..... " 3M	33	3	107	146	183	329	350	146	204	3	....	....	....
	" ..... " 4	68	5	217	294	270	564	600	294	306	4	....	....	....
	Thorold Tp..... " 1	63	26	169	263	129	392	425	264	161	5	1	....	....
	" ..... " 2	114	18	79	212	133	345	375	212	163	1	....	....	....
	" ..... " 3	88	22	112	225	160	385	400	226	174	3	....	1	....
	" ..... " 4	35	46	142	226	106	332	345	226	119	3	....	....	....
	" ..... " 5	68	23	44	136	114	250	275	136	139	1	....	....	....
	Wainfleet Tp..... " 1	60	8	69	138	55	193	225	139	86	1	1	....	....
	" ..... " 2	45	11	39	96	64	160	175	96	79	1	....	....	....
	" ..... " 3	51	30	8	90	66	156	175	90	85	1	....	....	....
	" ..... " 4	60	10	23	93	69	162	175	93	82	....	....	....	....
	" ..... " 5	13	8	27	48	52	100	125	48	77	....	....	....	....

CHARLES AWREY, Returning Officer.

	" " 6	53	.....	19	73	32	105	125	73	52	1	....	...	....
	" " 7	38	6	2	46	29	75	100	46	54	....	....	....	....
	" " 8	35	10	46	92	41	133	151	92	59	1	....	....	....
	" " 9	21	4	12	38	38	76	100	38	62	1	....	....	....
	" " 10	33	14	56	103	87	190	200	103	97	....	....	....	....
	" " 11	17	9	58	86	72	158	175	86	89	2	....	....	....
	" " 12	27	30	35	92	69	161	175	93	82	....	1	....	....
	Welland City, Ward 1.... " 1 A	73	13	114	203	180	383	400	203	197	3	....	....	....
	" " 1.... " 1M	39	9	63	111	119	230	250	113	137	....	2	....	....
	" " 2.... " 1	96	16	202	314	219	533	576	318	258	....	4	....	....
	" " 2.... " 2	125	8	156	293	178	471	500	296	204	4	....	3	....
	" " 2.... " 3	85	10	131	238	226	464	500	240	260	12	2	....	....
	" " 3.... " 1	129	5	141	276	153	429	450	276	174	1	....	....	....
	" " 3.... " 2	44	11	163	227	131	358	375	228	147	9	1	....	....
	" " 4.... " 1	66	8	116	193	77	270	300	193	107	3	....	....	....
	" " 5.... " 1	122	10	116	252	121	373	400	255	145	4	3	....	....
	" " 5.... " 2	142	6	115	264	136	400	425	264	161	1	....	....	....
	" " 6.... " 1	97	10	95	202	110	312	326	204	122	....	2	....	....
	" " 6.... " 2 A	91	8	96	195	134	329	350	197	153	....	2	....	....
	" " 6.... " 2M	86	5	72	165	117	282	300	165	135	2	....	....	....
	Totals.....	3,702	824	4,941	9,600	6,637	16,237	17,473	9,641	7,832	133	33	8	
	Majority for Vaughan.....			1,239										

			Raney	Craig										
Wellington, East.	Town of Mt. Forest .A to L No. 1		52	44	97	97	194	225	97	128	1	....	....	....
	" .M to Z " 1		58	22	81	41	122	150	81	69	1	....	....	....
	" .A to L " 2		51	45	96	96	192	225	97	128	....	1	....	....
	" .M to Z " 2		39	44	83	108	191	200	83	117	....	....	....	....
	" ..... " 3		62	51	113	161	274	300	113	187	....	....	....	....
	" ..... " 4		82	63	147	161	308	325	147	178	2	....	....	....
	Village of Fergus....A to L " 1		62	130	193	78	271	300	193	107	1	....	....	....
	" ....M to Z " 1		48	64	112	60	172	200	112	88	....	....	....	....
	" ....A to L " 2		61	72	135	77	212	225	136	89	2	1	....	....
	" ....M to Z " 2		54	58	114	55	169	200	114	86	2	....	....	....
	" ....A to L " 3		99	68	168	93	261	275	168	107	1	....	....	....
	" ....M to Z " 3		68	78	146	85	231	250	146	104	....	....	....	....
	Village of Elora.....A to L " 1		33	82	117	73	190	200	118	82	2	1	....	....
	Village of Elora.....M to Z " 1		25	52	78	58	136	150	78	72	1	....	....	....
	" .....A to L " 2		74	76	151	107	258	275	151	124	1	....	....	....
	" .....M to Z " 2		58	50	108	79	187	200	108	92	....	....	....	....
	Village of Erin.....A to L " 1		45	87	132	56	188	225	132	93	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Raney	Craig										
Wellington, East. —*Con.*	Village of Erin.....M to Z No. 1	37	53	91	66	157	175	91	84	1	....	....	....
	Tp. of Arthur.....A to K " 1	52	37	89	55	144	175	89	86	....	....	....	....
	" .....L to Z " 1	64	31	95	31	126	150	95	55	....	....	....	....
	" .....A to L " 2	52	61	114	42	156	175	115	60	1	1	....	....
	" .....M to Z " 2	62	51	113	46	159	175	114	61	....	1	....	....
	" ..... " 3	110	29	139	81	220	250	140	110	....	1	....	....
	" ..... " 4	87	38	125	97	222	250	125	125	....	....	....	....
	" ..... " 5	85	66	153	85	238	250	153	97	2	....	....	....
	Tp. of W. Luther..... " 1	75	31	107	54	161	175	107	68	1	....	....	....
	" ..... " 2	57	21	78	73	151	175	78	97	....	....	....	....
	" ..... " 3	78	62	141	89	230	250	141	109	1	....	....	....
	" ..... " 4	73	19	93	79	172	200	93	107	1	....	....	....
	" ..... " 5	88	42	132	85	217	250	132	118	2	....	....	....
	Tp. of Nichol..... " 1	124	14	138	97	235	250	138	112	....	....	....	....
	" ..... " 2	105	29	136	61	197	225	136	89	2	....	....	....
	" ..... " 3	76	78	156	135	291	300	156	144	2	....	....	....
	" ..... " 4	96	36	132	65	197	225	133	92	....	....	1	....
	Tp. of W. Garafraxa..... " 1	105	32	140	79	219	250	140	110	3	....	....	....
	" ..... " 2	65	26	92	49	141	175	92	83	1	....	....	....
	" ..... " 3	43	31	75	41	116	125	75	50	1	....	....	....
	" ..... " 4	38	20	58	24	82	100	58	42	....	....	....	....
	" ..... " 5	66	24	90	56	146	175	90	85	....	....	....	....
	" ..... " 6	74	15	89	34	123	150	89	61	....	....	....	....
	" ..... " 7	74	28	102	53	155	175	102	73	....	....	....	....
	" ..... " 8	62	16	78	57	135	150	78	72	....	....	....	....

EDWARD BOYD, Returning Officer.

	Tp. of Erin	" 1	71	10	81	63	144	175	81	94	....	....	....	....
	"	" 2	100	34	136	67	203	225	136	89	2	....	....	....
	"	" 3	108	35	144	104	248	275	144	131	1	....	....	....
	"	" 4	104	50	168	77	245	275	168	107	14	....	....	....
	"	" 5	127	54	181	77	258	275	181	94	....	....	....	....
	" A to L	" 6	82	44	126	43	169	200	127	73	....	....	1	....
	" M to Z	" 6	103	50	154	136	290	300	154	146	1	....	....	....
	"	" 7	114	5	119	61	180	200	119	81	....	....	....	....
	Totals		3,628	2,258	5,936	3,747	9,683	10,800	5,944	4,856	50	6	2	
	Majority for Raney		1,370											

			Goldie	Howard	Mahon									
Wellington, South	City of Guelph	No. 1 A	130	14	12	158	97	255	275	156	117	2	....	....	....
	"	" 1 B	105	41	5	152	137	289	300	151	148	1	....	....	....
	"	" 1 C	103	17	5	127	134	261	275	125	148	....	2	....	....
	"	" 2 A	104	49	21	175	112	287	300	174	125	....	1	....	....
	"	" 2 B	102	27	11	142	113	255	275	140	133	2	....	....	....
	"	" 3 A	112	52	26	191	154	345	350	190	159	1	....	....	....
	"	" 3 B	117	53	13	184	125	309	325	183	141	1	....	....	....
	"	" 4 A	152	32	13	198	133	331	350	197	152	....	1	....	....
	"	" 4 B	120	41	13	174	134	308	325	174	151	....	....	....	....
	"	" 5 A	59	21	7	89	142	231	250	87	161	2	....	....	....
	"	" 5 B	69	16	9	94	151	245	250	94	156	....	....	....	....
	"	" 6 A	64	20	3	88	114	202	225	87	137	1	....	....	....
	"	" 6 B	48	15	13	77	100	177	200	76	123	1	....	....	....
	"	" 7 A	126	13	13	152	104	256	275	152	123	....	....	....	....
	"	" 7 B	105	16	12	134	84	218	225	133	91	1	....	....	....
	"	" 8 A	132	46	16	194	63	357	375	194	181	....	....	....	....
	"	" 8 B	119	38	29	186	133	319	325	186	139	....	....	....	....
	"	" 9 A	147	24	16	188	144	332	350	187	162	1	....	....	....
	"	" 9 B	113	31	17	162	119	281	300	161	138	1	....	....	....
	"	" 10	118	29	17	165	100	265	275	164	110	....	1	....	....
	"	" 11 A	144	37	13	196	114	310	325	194	129	2	....	....	....
	"	" 11 B	139	50	17	206	117	323	325	206	119	....	....	....	....
	"	" 12 A	123	41	26	190	138	328	350	190	160	....	....	....	....
	"	" 12 B	129	31	23	185	150	335	350	183	165	....	2	....	....
	"	" 13 A	110	37	30	177	161	338	350	177	173	....	....	....	....
	"	" 13 B	100	35	33	170	143	313	325	168	155	2	....	....	....
	"	" 14 A	81	31	20	134	120	254	275	132	141	....	2	....	....
	"	" 14 B	70	53	19	144	113	257	275	142	131	2	....	....	....
	"	" 15 A	133	43	33	212	113	325	325	209	113	....	....	3	....
	"	" 15 B	100	63	29	193	162	355	375	192	182	1	....	....	....

J. R. Watson,
Returning Officer.

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Goldie	Howard	Mahon										
Wellington, South. —*Con.*	City of Guelph ..... No. 16 A	97	77	22	198	148	346	350	196	152	2	....	....	....
	" ..... " 16 B	114	73	27	227	129	356	375	224	158	1	2	....	....
	" ..... " 17 A	112	51	40	204	155	359	375	.....	170	2	....	....	....
	" ..... " 17 B	145	61	28	235	119	354	375	234	140	1	....	....	....
	" ..... " 18	132	63	19	216	132	348	350	214	134	2	....	....	....
	" ..... " 19 A	101	35	12	148	122	270	275	148	127	....	....	....	....
	" ..... " 19 B	98	42	7	150	46	196	200	147	50	3	....	....	....
	" ..... " 20 A	112	53	24	189	128	317	325	189	136	....	....	....	....
	" ..... " 20 B	108	55	21	187	114	301	325	184	138	3	....	....	....
	" ..... " 21 A	79	36	19	134	89	223	225	134	91	....	....	....	....
	" ..... " 21 B	105	22	9	188	56	244	250	187	112	1	....	1	....
	" ..... " 22	89	42	27	158	90	248	250	158	92	....	....	....	....
	Tp. of Guelph ..... " 1	30	18	174	223	99	322	325	222	102	1	....	....	....
	" ..... " 2 A	42	30	66	140	89	229	250	138	110	1	....	1	....
	" ..... " 2 B	51	21	47	119	56	175	200	119	81	....	....	....	....
	" ..... " 3	36	9	114	160	66	286	250	159	90	....	1	....	....
	" ..... " 4	50	10	54	115	85	200	200	114	85	1	....	....	....
	" ..... " 5 A	56	18	57	132	65	197	200	131	68	....	1	....	....
	" ..... " 5 B	54	29	31	117	91	208	225	114	108	1	2	....	....
	Tp. of Eramosa ..... " 1 A	55	39	88	187	56	243	250	182	63	2	1	2	....
	" ..... " 1 B	68	24	81	173	55	228	250	173	77	....	....	....	....
	" ..... " 2	37	5	151	195	66	261	275	193	80	1	1	....	....
	" ..... " 3	38	10	139	189	63	252	275	187	86	2	....	....	....
	" ..... " 4	42	3	105	150	70	220	225	150	75	....	....	....	....
	" ..... " 5	17	13	118	148	49	197	200	148	52	....	....	....	....

Tp. of Puslinch	" 1	28	12	108	149	77	226	250	148	101	1	....	....
"	" 2 A	21	11	109	143	149	292	300	141	157	....	2	....
"	" 2 B	21	11	84	117	53	170	175	116	58	....	1	....
"	" 3 A	43	7	59	112	38	150	175	109	63	2	....	....
"	" 3 B	22	7	114	143	75	218	225	143	82	....	....	....
"	" 4	43	4	64	111	81	192	200	111	89	....	....	....
"	" 5	20	10	92	124	47	171	175	122	51	2	....	....
"	" 6	13	11	104	133	104	237	250	128	117	3	1	....
Tp. of Pilkington	" 1	32	10	69	111	93	204	225	111	114	....	....	....
"	" 2	20	10	89	119	85	204	225	119	106	....	....	....
"	" 3	25	29	134	192	72	264	275	188	83	1	3	....
City of Guelph—Advance Ry. Poll.		14	....	....	14	....	....	100	14	86	....	....	....
Totals		5,444	1,997	3,020	10,530	6,993	17,509	18,475	10,392	7,996	54	22	11
Majority for Goldie		2,424											

Wellington, West.

Alexander Withers, Returning Officer.

		Chambers	Howse	McArthur									
Clifford		111	59	27	198	106	304	300	198	102	1	....	....
Maryboro	No. 1	71	13	55	140	72	212	226	140	86	1	....	....
"	" 2	88	5	98	191	78	269	275	191	84	....	....	....
"	" 3 A	50	10	70	130	73	203	225	130	95	....	....	....
"	" 3 B	58	7	75	140	62	202	225	142	83	....	2	....
"	" 4	42	10	57	110	46	156	175	110	65	1	....	....
"	" 5	144	1	64	211	51	262	275	211	64	2	....	....
"	" 6	73	....	52	126	50	176	175	126	49	1	....	....
Arthur	" 1	71	59	35	165	61	226	250	167	83	....	1	1
"	" 2	69	32	24	125	68	193	225	125	100	....	....	....
"	" 3	79	51	41	171	87	258	275	171	104	....	....	....
Drayton	" 1 A	86	14	69	170	77	247	226	170	56	1	....	....
"	" 1 B	67	14	61	142	70	212	225	143	82	....	1	....
Peel	" 1	54	6	105	168	151	319	325	168	157	3	....	....
"	" 2	10	6	15	31	134	165	175	31	144	....	....	....
"	" 3	32	....	73	105	117	222	225	105	120	....	....	....
"	" 4	65	13	80	160	155	315	325	160	165	2	....	....
"	" 5	57	26	80	163	84	247	250	163	87	....	....	....
"	" 6	16	4	84	104	106	210	200	105	95	....	1	....
"	" 7	31	26	57	114	97	211	225	114	111	....	....	....
Harriston	" 1	91	12	39	144	84	228	225	144	81	2	....	....
"	" 2	76	15	23	116	49	165	175	116	59	2	....	....
"	" 3	77	6	17	100	60	160	150	100	50	....	....	....
"	" 4	110	10	26	147	89	236	250	147	103	1	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Wellington, West.—*Con.*		Chambers	Howse	McArthur										
	Harriston ..... No. 5	89	13	26	128	80	208	200	129	71	....	1	....	....
	Palmerston ..... " 1 A	86	10	14	113	56	169	200	113	87	3	....	....	....
	" ..... " 1 B	73	7	36	116	80	196	200	121	79	....	5	....	....
	" ..... " 2 A	91	3	8	104	75	179	151	104	47	2	....	....	....
	" ..... " 2 B	66	4	11	82	86	168	200	82	118	1	....	....	....
	" ..... " 3 A	115	10	13	138	130	268	300	140	160	....	2	....	....
	" ..... " 3 B	84	6	26	116	116	232	299	116	183	....	....	....	....
	" R. R. Employees	111	10	5	126	.....	.....	150	126	24	....	....	....	....
	Minto ..... No. 1	67	8	153	228	49	277	275	228	47	....	....	....	....
	" ..... " 2	62	10	130	202	87	289	275	202	73	....	....	....	....
	" ..... " 3	48	9	162	219	58	277	275	219	56	....	....	....	....
	" ..... " 4	74	13	58	145	49	194	200	145	55	....	....	....	....
	" ..... " 5	54	25	90	171	68	239	251	171	80	2	....	....	....
	" ..... " 6	37	5	50	92	32	124	124	92	32	....	....	....	....
	Totals	2,685	532	2,109	5,531		8,218				25	13	1	
	Majority for Chambers	576												
		Biggs		Shaver										
Wentworth, N.	Dundas—Canal Ward ..... A to L	70		106	176	122	172	177	176	122	1	....	....	....
	" " M to Z	57		94	151	134	280	287	151	134	....	....	....	....
	" Foundry Ward ... A to L	97		143	240	136	374	378	240	136	2	....	....	....
	" " M to Z	77		153	230	127	355	360	230	127	....	....	....	....

DANIEL WRAY,
Returning Officer.

" Mountain Ward..A to L	92	158	250	285	280	285	250	102	1	....	....	....
" " M to Z	68	114	182	102	280	285	182	102	1	....	....	....
" Valley Ward.....A to G	145	182	327	152	475	482	327	152	3	....	....	....
" " H to N	109	176	285	113	395	399	285	113	1	....	....	....
" " O to Z	89	165	254	114	365	370	254	114	2	....	....	....
Lynden.....A to L No. 1	105	19	124	86	205	210	124	86	....	....	....	....
" .....M to Z " 1	106	18	124	94	215	220	124	94	2	....	....	....
Orkney..... " 2	199	28	227	67	295	300	227	67	....	....	....	....
Rockton.....A to L " 3	85	34	119	51	170	175	119	51	....	....	....	....
" .....M to Z " 3	94	33	127	53	180	185	127	53	....	....	....	....
Troy..... " 4	128	34	162	83	240	245	162	83	....	....	....	....
Sheffield..... " 5	120	25	145	96	248	253	145	96	11	....	1	....
Kirkwall..... " 6	41	6	47	63	105	110	47	63	....	....	....	....
Westover..... " 7	69	46	115	74	185	189	115	74	....	....	....	....
Clyde..... " 8	86	43	129	104	81	180	185	81	....	....	....	....
Valens..... " 9	92	12	104	81	205	210	104	81	....	....	....	....
West Flamboro Village..... " 1	95	43	138	47	180	186	138	47	....	1	....	....
Bullock's Corners..... " 2	83	130	213	66	275	279	213	66	....	....	....	....
Rock Chapel..... " 3	92	53	145	127	270	275	145	127	3	....	....	....
Hayesland..... " 4	48	34	82	57	135	140	82	57	1	....	....	....
Strabane..... " 5	48	58	106	94	195	200	106	94	....	....	....	....
Freelton..... " 6	68	36	104	65	165	170	104	65	1	....	....	....
Millgrove..... " 7	97	48	145	75	219	224	145	75	3	1	....	....
Sydenham Road..... " 8	91	55	146	28	200	205	146	58	1	....	....	....
Aldershot.....A to L " 1	85	104	189	185	370	374	189	185	....	....	....	....
" .....M to Z " 1	41	84	125	92	215	220	125	92	2	1	....	....
Flamboro Centre.....A to L " 2	122	29	151	154	255	260	151	154	....	....	....	....
" .....M to Z " 2	69	21	90	55	140	145	90	55	....	....	....	....
Carlisle.....A to L " 3	117	51	168	102	270	275	168	102	....	....	....	....
" .....M to Z " 3	53	14	67	83	145	150	67	83	....	....	....	....
Mountsberg..... " 4	91	24	115	77	189	194	175	77	2	....	....	....
Waterdown Village.....No. 1	139	47	186	89	270	275	186	89	....	....	....	....
" ..... " 2	129	38	167	58	225	225	167	58	....	....	....	....
Totals.....	3,397	2,458	5,855		8,923			1,038	15	2		
Majority for Biggs.....	939								37			

			Crockett	Mahony	Moffatt									
Wentworth, S....	Ancaster.....No.	1	60	19	6	85	110	195	225	85	140	....	....	....	....
" ..... "	2	76	24	10	112	81	193	225	112	113	1	....	1	....
" ..... "	3	111	217	87	419	468	887	975	419	556	3	1	....	....
" ..... "	4	95	128	100	329	319	648	700	329	371	6	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Wentworth, S. —*Con.*		Crockett	Mahony	Moffatt										
	Ancaster ..... No. 5	87	18	50	158	154	312	375	158	217	....	....	3	....
	" ..... " 6	58	9	56	123	139	262	275	123	152	....	....	....	....
	" ..... " 7	80	16	36	133	82	215	250	133	117	1	....	....	....
	" ..... " 8	31	12	41	84	47	131	150	84	66	....	....	....	....
	Sanatorium	14	55	10	82	69	151	175	82	93	3	....	....	....
	Barton ..... No. 1	26	103	46	179	299	478	500	179	321	2	2	....	....
	" ..... " 2	68	32	8	108	108	216	250	108	142	....	....	....	....
	" ..... " 3	51	78	49	178	108	286	300	178	122	....	....	....	....
	" ..... " 4	197	91	10	300	217	517	575	300	275	....	....	....	....
	" ..... " 5	177	133	8	322	275	597	625	322	303	4	....	....	....
	" ..... " 6	95	99	8	207	213	420	475	207	268	5	....	....	....
	" ..... " 7	79	203	31	316	251	567	625	316	309	2	....	1	....
	" ..... " 8	96	225	61	388	463	851	925	388	537	6	....	....	....
	Binbrook ..... " 1	83	47	22	153	79	232	250	153	97	1	....	....	....
	" ..... " 2	80	47	56	185	194	379	425	185	240	2	....	....	....
	" ..... " 3	57	13	24	94	72	166	200	94	106	....	....	....	....
	Glanford ..... " 1	64	57	44	167	96	263	300	167	133	1	....	1	....
	" ..... " 2	106	47	41	195	115	310	350	195	155	1	....	....	....
	" ..... " 3	112	42	39	195	130	325	375	195	180	2	....	....	....
	Saltfleet ..... " 1	61	183	60	306	266	572	625	306	319	2	....	....	....
	" ..... " 2	51	115	77	248	192	440	475	248	227	5	....	....	....
	" ..... " 3	95	131	219	447	365	812	875	447	428	1	1	....	....
	" ..... " 4	11	37	26	74	77	151	175	74	101	....	....	....	....
	" ..... " 5	27	160	48	237	207	444	475	237	238	2	....	....	....
	" ..... " 6	25	34	19	78	60	138	175	78	97	....	....	....	....

JAMES JOHN BERTRAM, Returning Officer.

	"	" 7	59	45	22	126	143	269	300	126	174	....	....	....	....
	"	" 8	21	52	9	82	58	140	175	82	93	....	....	....	....
	"	" 9	6	177	13	200	268	468	500	200	300	4	....	....	....
	"	" 10	44	148	24	219	340	559	600	219	381	....	....	3	....
	East Hamilton	" 196	30	70	13	115	210	325	350	115	235	2	....	....	....
	"	" 210	24	50	6	82	160	242	275	82	193	2	....	....	....
	"	" 211	13	53	7	74	111	185	200	74	126	1	....	....	....
	"	" 212	33	98	7	142	230	372	400	142	258	1	....	3	....
	"	" 213	7	45	3	59	105	164	175	59	112	4	....	....	....
	"	" 214	22	70	4	98	212	310	325	98	227	2	....	....	....
	"	" 215	17	101	7	126	189	315	350	126	224	1	....	....	....
	"	" 216	10	64	4	78	146	224	250	78	172	....	....	....	....
	Totals		2,459	3,348	1,411	7,303	7,428	14,721	16,225	7,303	8,922	67	4	12	
	Majority for Mahony			889											

W. P. Harvie, Returning Officer.

			Strong	Tolmie	Wilson										
Windsor	113 Josephine Ave.	No. 1	14	20	66	100	186	286	275	105	170	....	5	....	....
	"	" 2	11	25	43	79	154	233	225	79	146	....	....	....	....
	1427 London St. W.	" 3	8	43	53	104	102	206	200	105	95	1	....	....	....
	"	" 4	10	53	62	125	121	246	250	125	125	....	....	....	....
	Sacred Heart Sch., McKay	" 5	13	35	58	106	173	279	275	106	169	....	....	....	....
	"	" 6	10	28	75	113	263	376	375	113	262	....	....	....	....
	1041 London St. W.	" 7	4	36	34	74	158	232	225	74	151	....	....	....	....
	"	" 8	9	29	29	67	160	227	225	68	157	....	....	1	....
	Star and Durant Service	" 9	8	38	45	91	187	278	275	91	184	....	....	....	....
	Station, cor. London and Elm	" 10	7	53	56	116	131	247	250	116	134	....	....	....	....
	839 London St. W.	" 11	11	32	38	81	173	254	275	82	193	1	....	....	....
	"	" 12	11	46	56	113	107	220	225	113	112	....	....	....	....
	245 Wellington St.	" 13	18	24	72	114	225	339	350	116	234	2	....	....	....
	366 Campbell Ave.	" 14	10	29	79	118	236	254	375	120	255	1	1	....	....
	"	" 15	14	8	38	60	189	249	250	60	190	....	....	....	....
	118 Sandwich St. W.	" 16	4	33	32	69	162	231	225	69	156	....	....	....	....
	"	" 17	....	22	39	61	171	232	225	61	164	....	....	....	....
	Goyeau Garage, London and Caron	" 18	9	34	35	78	212	290	300	80	220	2	....	....	....
	327 Bruce Ave.	" 19	1	30	36	67	114	181	275	67	208	....	....	....	....
	"	" 20	7	49	43	99	177	276	275	99	176	....	....	....	....
	305 Church St.	" 21	8	64	52	124	238	362	350	124	226	....	....	....	....
	327 Dougall Ave.	" 22	12	89	84	185	203	388	400	186	214	....	1	....	....
	St. Alphonsus School, cor. Park and Pelissier	" 23	9	38	55	102	124	226	225	104	121	1	1	....	....
	827 Pelissier St.	" 24	3	41	38	82	142	224	225	82	143	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
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		Strong	Tolmie	Wilson										
Windsor.—*Con...*	827 Pelissier St.....No. 25	3	37	36	76	164	240	250	79	173	....	3	....	....
	Cor. Elliott and Dougall.... " 26	4	83	40	127	71	198	200	128	72	1	....	....	....
	" .... " 27	3	28	40	71	119	190	200	71	129	....	....	....	....
	500 Church St..... " 28	3	43	51	97	219	316	325	98	227	....	1	....	....
	" ..... " 29	6	41	27	74	182	256	250	76	174	1	1	1	....
	403 Elliott St..... " 30	2	48	54	104	223	327	325	105	220	1	....	....	....
	429 Caroline St..... " 31	2	57	80	139	275	414	425	139	286	....	....	....	....
	563 Janette Ave..... " 32	19	25	41	85	82	251	250	85	165	....	....	....	....
	St. Clair School, Bruce..... " 33	9	21	24	54	113	167	150	54	96	....	....	....	....
	1549 Church St..... " 34	5	22	38	65	162	227	225	65	160	....	....	....	....
	" ..... " 35	6	27	27	60	156	216	225	61	164	....	1	....	....
	1231 Victoria Ave..... " 36	.....	28	31	59	126	185	175	59	116	....	....	....	....
	" ..... " 37	.....	34	28	62	83	145	150	64	86	1	1	....	....
	1263 Pelissier St..... " 38	8	52	65	125	172	297	300	125	175	....	....	....	....
	Windsor Armouries..... " 39	4	18	26	48	168	216	225	49	176	1	....	....	....
	" ..... " 40	3	15	38	56	171	227	225	56	169	....	....	....	....
	Windsor City Hall Basement " 41	5	37	43	85	180	265	275	88	187	3	....	....	....
	" " 42	4	17	43	64	151	215	200	64	136	....	....	....	....
	Fire Hall No. 2, Pitt St. E... " 43	9	25	41	75	216	291	300	75	225	....	....	....	....
	" .. " 44	4	21	38	63	136	199	200	63	137	....	....	....	....
	400 Glengarry Ave..... " 45	14	32	37	83	206	289	250	84	166	1	....	....	....
	" ..... " 46	7	15	36	58	173	231	225	58	167	....	....	....	....
	541 Sandwich St. E..... " 47	15	23	53	91	231	322	325	94	231	1	2	....	....
	" ..... " 48	11	7	29	47	124	171	175	49	126	2	....	....	....
	924 Lillian St..... " 49	20	27	51	98	242	340	350	100	250	1	....	1	....

"	"	50	15	23	10	48	97	145	150	49	101	1	....	....	....
816 Howard Ave	"	51	12	16	49	77	245	322	325	79	246	1	1	....	....
917 "	"	52	4	12	28	44	148	192	200	47	153	3	....	....	....
"	"	53	10	19	48	77	244	321	325	78	247	1	....	....	....
718 Windsor Ave	"	54	8	15	34	57	171	228	200	58	142	1	....	....	....
"	"	55	3	18	32	53	184	237	200	56	144	2	....	1	....
592 Goyeau St	"	56	9	29	59	97	152	249	225	98	127	1	....	....	....
"	"	57	10	15	29	54	155	209	225	55	170	1	....	....	....
649 "	"	58	8	36	41	85	118	203	200	85	115	....	....	....	....
"	"	59	2	32	35	69	163	232	225	70	155	1	....	....	....
862 "	"	60	5	12	31	48	99	147	150	48	102	....	....	....	....
"	"	61	3	9	25	37	117	154	150	37	113	....	....	....	....
Office Board Wks., Mercer	"	62	17	20	32	69	157	226	225	70	155	....	1	....	....
1227 Lillian St	"	63	28	9	61	98	168	266	275	100	175	1	....	1	....
Mercer and Joffre	"	64	2	8	27	37	74	111	125	39	86	2	....	....	....
817 Brant St	"	65	28	25	54	107	218	325	325	107	218	....	....	....	....
"	"	66	20	32	56	108	162	270	275	111	164	3	....	....	....
1006 Wyandotte St. E	"	67	19	31	39	89	181	270	275	91	184	....	1	1	....
" "	"	68	9	11	17	37	115	152	150	37	113	....	....	....	....
326 Pierre Ave	"	69	7	29	29	65	118	183	200	67	133	....	2	....	....
"	"	70	8	22	49	79	160	239	250	79	171	....	....	....	....
105 Gladstone Ave	"	71	3	25	36	64	131	195	200	64	136	....	....	....	....
"	"	72	3	43	55	101	152	253	250	102	148	....	1	....	....
304 "	"	73	11	18	39	68	152	220	225	69	156	1	....	....	....
"	"	74	9	31	45	85	173	258	250	86	164	....	....	1	....
424 Moy Ave	"	75	12	47	41	100	159	259	275	102	173	2	....	....	....
"	"	76	12	15	50	77	122	199	200	78	122	....	1	....	....
425 Hall Ave	"	77	21	28	37	86	147	233	225	86	139	....	....	....	....
" "	"	78	13	31	37	81	173	254	250	83	167	....	2	....	....
742 Pierre Ave	"	79	31	31	24	86	86	172	175	87	88	1	....	....	....
"	"	80	27	27	20	74	103	177	200	74	126	....	....	....	....
Fire Hall, 3 Langlois Ave	"	81	14	26	22	62	173	235	225	63	162	....	....	1	....
" "	"	82	17	17	24	58	139	197	200	58	142	....	....	....	....
808 Parent Ave	"	83	21	18	16	55	127	182	175	56	119	....	....	1	....
"	"	84	14	9	42	65	135	200	200	66	134	1	....	....	....
St. Francis Sch., Tuscarora	"	85	24	23	23	70	203	273	275	70	205	....	....	....	....
" "	"	86	26	31	44	101	166	267	275	101	174	....	....	....	....
City Asphalt Plant, Elsmere	"	87	6	24	35	65	160	225	225	66	159	1	....	....	....
1215 Pierre Ave	"	88	14	22	30	66	179	245	250	67	183	1	....	....	....
820 Hall Ave	"	89	12	13	39	64	99	163	175	64	111	....	....	....	....
"	"	90	18	12	56	86	132	218	225	86	139	....	....	....	....
872 Gladstone Ave	"	91	10	15	32	57	157	214	225	57	168	....	....	....	....
"	"	92	14	16	27	57	114	171	175	58	117	1	....	....	....
Walkerville—															
Vin-Ose Co., Lincoln Rd	"	3	2	15	38	55	190	245	275	56	219	1	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

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			Strong	Tolmie	Wilson									
Windsor.—*Con...*	Vin-Ose Co., Lincol Rd....	No. 2	6	34	44	84	127	211	225	84	141	....	....	....
	" "	" 1	3	38	65	106	139	245	250	108	142	....	1	1 ....
	King Edward School.....	" 4	9	18	37	64	166	230	125	64	61	....	....	....
	Cataraqui St.....	" 5	4	19	23	46	119	165	175	47	128	1	....	....
	Walkerville.....	" 6	13	20	29	62	133	195	200	63	137	....	1	....
	467 Lincoln Rd.....	" 7	7	15	41	63	104	167	175	63	112	....	....	....
	"	" 8	7	15	47	69	96	165	175	70	105	1	....	....
	Old I.O.O.F. Hall.....	" 9	4	25	31	60	116	174	175	60	115	....	....	....
	"	" 10	5	29	43	77	143	220	225	77	148	....	....	....
	"	" 11	5	24	61	90	135	225	225	91	134	1	....	....
	Walkerville Town Hall.....	" 12	8	31	67	106	149	255	250	106	144	....	....	....
	" "	" 13	9	20	52	81	126	207	200	83	117	....	....	....
	King Geo. Sch., Victoria Rd..	" 14	17	27	43	87	123	210	200	87	113	....	....	....
	Old I.O.O.F. Hall.....	" 15	2	41	110	153	155	308	300	155	145	1	1	....
	King Geo. Sch., Victoria Rd.	" 16	5	18	51	74	108	182	175	74	101	....	....	....
	" " .	" 17	.....	19	33	52	136	188	200	52	148	....	....	....
	121 Walker Rd.....	" 18	14	29	114	157	158	315	325	157	168	....	....	....
	245 "	" 19	10	29	72	111	131	242	250	115	135	3	1	....
	"	" 20	5	32	75	112	153	265	250	116	134	4	....	....
	3 Tecumseh Rd.....	" 21	18	18	46	82	75	157	150	82	68	....	....	....
	Sandwich—													
	Centre Rd. and Sandwich St.	" 1	5	33	46	84	105	189	200	85	115	....	1	....
	243 Sandwich St.....	" 2	21	22	34	77	121	198	200	77	123	....	....	....
	"	" 3	15	29	41	85	171	256	250	88	162	3	....	....
	Sandwich Town Hall.....	" 4	19	40	53	112	311	423	425	114	311	2	....	....

	Sandwich Town Hall	" 5	10	53	81	144	230	374	375	146	229	....	....	....	....
	313 Sandwich St	" 7	14	81	81	176	144	320	325	178	147	2	....	....	....
	"	" 6	2	35	53	90	121	211	225	91	134	1	....	....	....
	96 London St	" 8	13	47	39	99	221	320	325	103	222	4	....	....	....
	"	" 9	13	69	74	156	293	449	450	160	290	4	....	....	....
	Special Railway Poll, City Hall, Windsor—														
	June 21st		.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	....	....
	June 22nd		1	.....	2	.....	.....	.....	.....	.....	.....	....	....	....	....
	June 23rd		.....	1	4	.....	.....	.....	.....	.....	.....	....	....	....	....
	Totals		1,202	3,553	5,424	10,171	19,162	29,333	29,602	10,290	19,312	75	31	10	....
	Majority for Wilson				1,871										

			Clarry	Galbraith	Henry	Roebuck									
York, East	Markham Tp.	No. 1	20	3	54	53	130	247	377	400	131	269	1	....	....	....
	"	" 2	11	1	29	41	82	169	251	250	83	167	1	....	....	....
	"	" 3	7	1	45	43	96	155	251	250	97	153	....	1	....	....
	"	" 4	6	1	40	73	120	237	357	400	120	280	....	....	....	....
	"	" 5	29	.....	108	74	211	218	429	450	213	237	2	....	....	....
	"	" 6	13	1	20	45	79	172	251	250	79	171	....	....	....	....
	"	" 7	9	.....	16	20	45	119	164	200	47	153	....	....	....	....
	"	" 8	3	.....	11	20	34	100	134	150	34	116	....	....	....	....
	"	" 9	14	.....	17	45	76	222	298	300	76	224	....	....	....	....
	"	" 10	49	4	46	34	133	186	319	350	134	216	....	....	....	....
	"	" 11	14	1	10	48	73	142	215	250	73	177	....	....	....	....
	Richmond Hill	" 1	15	5	100	75	195	184	379	400	199	201	4	....	....	....
	"	" 2	9	3	60	44	116	264	380	400	117	283	1	....	....	....
	Town of Leaside	" 1	6	2	56	1	65	44	109	200	67	133	2	....	....	....
	Stouffville	" 1	16	3	39	53	111	216	327	390	114	276	3	....	....	....
	"	" 2	28	.....	59	77	164	255	419	500	166	334	1	1	....	....
	Markham Village	" 1	32	1	48	29	110	185	295	301	110	191	....	....	....	....
	"	" 2	20	2	63	59	144	218	362	400	146	254	....	2	....	....
	Advance Poll		.....	.....	2	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ward 8.	No. 3	5	1	81	14	101	374	475	502	102	400	1	....	....	....
	"	" 4	3	1	96	9	109	296	405	400	111	289	2	....	....	....
	"	" 5	8	5	115	17	145	326	471	500	147	353	2	....	....	....
	"	" 6	4	1	79	17	101	249	350	350	102	248	....	1	....	....
	"	" 7	5	6	104	13	128	238	366	400	128	272	....	....	....	....
	"	" 8	4	5	91	15	115	248	363	401	116	285	1	....	....	....
	"	" 9	1	2	99	9	111	324	435	450	112	338	1	....	....	....
	"	" 10	12	5	85	15	117	233	350	350	119	231	2	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.					Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
							Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			Clarry	Gal-braith	Henry	Roe-buck										
York, East. —*Con*.....	Ward 8.....No. 37		2	8	82	17	109	282	391	400	111	289	....	2	....	....
	" ..... " 38		3	2	118	20	143	348	491	500	148	352	5	....	....	....
	" ..... " 39		3	1	70	8	82	267	349	350	82	268	....	....	....	....
	" ..... " 40		5	4	92	13	114	225	339	435	117	318	3	....	....	....
	" ..... " 41		5	3	116	12	136	283	419	450	137	313	1	....	....	....
	" ..... " 42		1	2	77	9	89	210	299	300	90	210	....	....	1	....
	" ..... " 43		6	2	85	24	117	307	424	450	117	333	....	....	....	....
	" ..... " 44		4	3	94	4	105	235	340	350	105	245	....	....	....	....
	" ..... " 45		1	1	52	9	63	238	301	300	67	233	3	....	1	....
	" ..... " 46		9	2	98	20	129	338	467	500	130	370	1	....	....	....
	" ..... " 47		7	1	90	28	126	219	345	349	123	226	....	....	....	....
	" ..... " 48		3	3	84	8	98	264	362	400	198	302	....	....	....	....
	" ..... " 49		2	.....	101	32	135	289	424	450	137	313	....	....	....	....
	" ..... " 50		4	2	103	19	128	220	348	350	128	222	....	....	....	....
	" ..... " 51		1	1	61	23	86	223	309	350	88	262	....	....	....	....
	" ..... " 52		5	8	110	21	144	255	399	400	145	255	1	....	....	....
	" ..... " 53		2	5	117	15	139	344	483	500	140	360	1	....	....	....
	" ..... " 54		5	2	88	20	115	232	347	400	116	284	....	1	....	....
	" ..... " 55		6	.....	102	25	133	320	453	450	133	317	....	....	....	....
	" ..... " 56		2	5	93	30	130	216	346	350	133	217	2	1	....	....
	" ..... " 57		6	5	95	18	124	218	342	350	130	220	6	....	....	....
	" ..... " 67		3	8	108	15	134	290	424	450	137	313	3	....	....	....
	" ..... " 68		1	12	92	15	120	234	354	400	121	279	....	....	....	....
	" ..... " 69		6	4	91	17	118	281	399	399	118	281	....	....	....	....

G. A. M. DAVISON, Returning Officer.

"	" 70	3	4	88	11	106	218	324	350	106	244					
"	" 71	4	3	65	2	74	202	276	300	75	225	1				
"	" 72	1	4	70	26	101	200	301	300	102	198	1				
"	" 73	2	4	53	26	85	185	270	300	86	214				1	
"	" 74	2	9	66	11	88	263	351	350	88	262					
"	" 75	3	1	68	15	87	295	382	400	87	313					
"	" 76	3	6	79	13	101	217	318	350	101	249					
"	" 77	1	4	110	11	126	327	453	450	128	322					
"	" 78	3	7	90	4	104	309	413	450	105	345					
"	" 79	2	9	115	12	138	267	405	450	140	310	2				
"	" 80	2	1	79	19	101	285	386	400	102	298	1				
"	" 94	3	15	87	14	119	244	363	400	123	277	4				
"	" 95	4	3	89	11	107	238	345	350	112	238	5				
"	" 96	3	2	90	11	106	304	410	450	110	340	4				
"	" 97	4	5	73	6	88	235	323	340	89	251	1				
"	" 98	1	1	87	5	94	200	294	300	94	206					
"	" 99	6	2	78	8	94	166	260	300	95	205	1				
"	" 100	4	5	56	21	86	204	290	300	89	211				1	
"	" 101	1	5	77	30	113	203	316	350	117	233	4				
"	" 102	7	4	77	14	102	248	350	350	103	247	1				
"	" 103	1	2	55	12	70	161	231	250	72	178	1	1			
Ward 3	" 109	11	2	92	28	133	307	440	450	135	315	2				
"	" 110	8	7	114	25	154	246	400	400	155	245	1				
"	" 111	9		81	10	100	234	334	360	101	259	1				
"	" 112	3		70	35	108	172	280	300	109	191	1				
"	" 113	7		71	19	97	155	252	250	98	152	1				
"	" 114	10	1	76	21	108	111	219	250	112	138	3			1	
"	" 115	13		48	24	85	145	230	250	85	165					
"	" 116	12	2	53	39	106	188	294	300	107	193	1				
"	" 117			17	16	33	76	109	150	35	115	2				
"	" 118	6		61	15	82	124	206	200	84	116	2				
"	" 119	4	2	41	6	53	72	125	150	54	96		1			
"	" 120	5		48	5	58	76	134	150	58	92					
Scarboro Tp	" 1 A	5	3	115	27	150	198	348	300	157	143	7				
"	" 1 B	3	3	57	7	70	240	310	400	71	329	1				
"	" 2	3	4	69	2	78	159	237	308	80	228	2				
"	" 3 A	3	15	170	16	204	321	525	500	208	292	3	1			
"	" 3 B	3	12	116	12	143	336	479	500	151	349	7	1			
"	" 4	9		83	12	104	233	337	400	104	296					
"	" 5 A	3	6	110	33	152	228	380	400	159	241	7				
"	" 5 B		5	71	10	86	232	318	300	87	213	1				
"	" 6 A	12	11	133	9	165	393	558	500	171	329	6				
"	" 6 B	12	6	99	10	127	274	401	500	129	371	2				
"	" 7	8	11	107	3	129	207	336	400	134	266	5				
"	" 8	2	6	193	15	216	301	517	600	218	382	1	1			

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.				Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
						Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Clarry	Galbraith	Henry	Roebuck										
	Scarboro Tp.....No. 9	6	2	102	27	137	252	389	400	141	259	3	....	1	....
	" " 10	8	.....	94	35	137	160	297	300	137	163	....	....	....	....
	" " 11	3	2	59	8	72	156	228	298	72	226	....	....	....	....
	" " 12	14	4	52	10	80	154	234	300	81	219	1	....	....	....
	" " 13	4	.....	15	22	41	139	180	200	41	159	....	....	....	....
	" " 14	9	6	36	24	75	145	220	300	77	223	2	....	....	....
	" " 15	33	1	60	60	154	313	467	500	156	344	....	....	....	....
	" " 16	6	1	19	50	76	190	266	301	78	223	2	....	....	....
	Ward 2..... " 96	2	.....	81	8	91	151	242	250	92	158	1	....	....	....
	" " 97	.....	2	78	12	92	161	253	250	96	154	4	....	....	....
	" " 98	6	9	117	1	133	210	343	350	137	213	4	....	....	....
	" " 99	14	1	75	30	120	251	371	400	126	274	6	....	....	....
	" " 100	3	11	102	6	122	214	336	400	123	277	1	....	....	....
	" " 101	5	2	51	2	60	103	163	200	62	138	1	1	....	....
	" " 102	1	2	78	9	90	127	217	251	92	159	....	1	1	....
	" " 103	1	1	62	6	70	134	204	200	70	130	....	....	....	....
	" " 104	2	.....	42	12	56	145	201	200	57	143	1	....	....	....
	" " 105	4	3	81	6	94	209	303	300	97	203	....	....	3	....
	" " 106	2	2	49	7	60	127	187	200	60	140	....	....	....	....
	" " 107	5	1	71	19	96	155	251	250	96	154	....	....	....	....
	" " 108	2	3	69	23	97	240	337	350	104	246	....	7	....	....
	" " 109	2	1	78	14	94	200	294	300	97	203	3	....	....	....
	" " 110	5	4	90	14	113	223	336	350	114	236	1	....	....	....
	" " 111	8	3	62	35	108	194	302	300	118	189	2	1	....	....

"	"	112	10	3	64	11	88	193	281	300	92	208	4	....	....	....
"	"	113	3	3	42	21	69	145	214	250	69	181	....	....	....	....
"	"	114	8	2	74	18	102	233	335	350	102	248	....	....	....	....
"	"	115	6	.....	80	24	110	158	268	250	111	139	1	....	....	....
"	"	116	10	2	56	34	102	240	342	350	103	247	....	1	....	....
"	"	117	13	1	53	13	80	127	207	250	81	169	1	....	....	....
"	"	118	4	2	31	17	54	144	198	200	54	146	....	....	....	....
"	"	119	8	.....	35	8	51	106	157	200	51	149	....	....	....	....
"	"	120	2	3	32	8	45	132	177	200	46	154	....	1	....	....
"	"	121	1	4	84	10	102	212	314	350	103	247	1	....	....	....
"	"	122	3	2	94	12	111	229	340	350	115	235	4	....	....	....
"	"	123	.....	1	17	5	23	58	81	100	24	76	1	....	....	....
North York	"	1	3	2	95	38	138	130	268	300	139	161	1	....	....	....
"	"	2	8	.....	65	30	103	182	285	310	106	204	....	....	3	....
"	"	10	2	1	22	18	43	36	79	100	43	57	....	....	....	....
"	"	9	1	1	40	31	73	125	198	200	73	127	....	....	....	....
York Tp	"	1 A	5	6	85	14	110	390	500	404	112	292	2	....	....	....
"	"	1 B	1	8	86	5	100	237	337	399	101	298	1	....	....	....
"	"	2 A	2	6	121	12	141	364	505	500	147	353	1	....	5	....
"	"	2 B	.....	4	91	9	104	208	312	400	107	293	3	....	....	....
"	"	3 A	2	6	54	14	76	219	295	300	80	220	3	....	1	....
"	"	3 B	.....	4	74	7	85	189	274	300	85	215	....	....	....	....
"	"	4 A	4	15	104	8	131	349	480	500	136	364	5	....	....	....
"	"	4 B	2	14	94	1	111	376	487	503	115	388	....	....	....	....
"	"	5	14	31	106	8	159	244	403	499	162	337	....	....	....	....
"	"	6 A	13	16	125	4	158	342	500	500	163	337	5	....	....	....
"	"	6 B	2	30	94	9	135	420	555	594	141	453	6	....	....	....
"	"	7 A	8	19	54	.....	81	255	336	401	83	318	2	....	....	....
"	"	7 B	3	13	59	1	76	224	300	299	80	219	....	....	....	....
"	"	8	1	5	57	.....	63	230	293	300	66	234	....	3	....	....
"	"	9 A	5	30	56	1	92	179	271	300	97	203	....	....	5	....
"	"	9 B	2	12	51	2	67	203	270	300	71	229	4	....	....	....
"	"	10 A	7	12	88	4	111	352	463	500	113	387	....	....	2	....
"	"	10 B	3	14	82	6	105	295	400	400	108	292	2	1	....	....
"	"	11 A	15	9	148	3	175	125	300	316	176	140	....	1	....	....
"	"	11 B	4	9	48	1	62	244	306	300	62	238	....	....	....	....
"	"	12	1	18	3	151	173	245	418	451	175	276	2	....	....	....
"	"	87–88	7	4	89	27	127	59	186	350	129	221	2	....	....	....
"	"	89	2	2	31	5	40	115	155	150	40	110	....	....	....	....
"	"	C	.....	.....	17	3	20	95	115	99	21	78	1	....	....	....
Totals			976	704	11,863	3,080	16,623		51,343				216	31	26	
Majority for Henry					8,783											

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Cooper	Keith	Walton										
York, North.....	Tp. of Whitchurch.....No. 1	51	144	71	266	276	542	575	266	307	1	1	....	....
	" ..... " 2	86	36	72	194	139	333	350	194	155	1	....	....	....
	" ..... " 3	74	24	40	138	141	279	300	138	159	1	2	....	....
	" ..... " 4	97	93	47	237	147	384	400	237	160	3	....	....	....
	" ..... " 5	106	49	16	171	92	263	275	171	98	2	4	....	....
	" ..... " 6	13	76	48	137	67	204	225	137	88	....	....	....	....
	Tp. of King..... " 1	56	127	94	277	171	448	475	277	195	1	2	....	....
	" ..... " 2	29	70	64	163	86	249	275	163	111	....	1	....	....
	" ..... " 3	72	175	83	330	113	443	475	330	142	3	....	....	....
	" ..... " 4	42	129	171	342	86	428	450	342	106	....	2	....	....
	" ..... " 5	38	69	38	145	71	216	225	145	78	2	....	....	....
	" ..... " 6	84	137	129	350	113	463	475	350	124	....	....	1	....
	" ..... " 7	112	81	19	212	105	317	325	212	113	....	....	....	....
	" ..... " 8	83	44	48	175	78	253	275	175	99	1	....	....	....
	" ..... " 9	33	30	26	89	41	130	150	89	61	....	....	....	....
	" ..... " 10	47	10	28	85	31	116	125	85	40	....	....	....	....
	Tp. of E. Gwillimbury..... " 1	63	98	110	271	120	391	425	271	154	....	....	....	....
	" " ..... " 2	55	76	65	196	77	273	300	196	102	1	....	1	....
	" " ..... " 3	85	101	109	295	124	419	450	295	154	....	1	....	....
	" " ..... " 4	31	91	42	164	82	246	275	164	110	....	1	....	....
	" " ..... " 5	88	96	130	314	114	428	450	314	136	....	....	....	....
	" " ..... " 6	64	17	29	110	79	189	225	110	115	....	....	....	....
	" " ..... " 7	10	13	18	41	23	64	75	41	34	....	....	....	....
	Tp. of N. Gwillimbury..... " 1	35	153	100	288	110	398	425	288	134	3	....	....	....
	" " ..... " 2	52	93	72	217	98	315	325	217	108	....	....	....	....

S. P. FOOTE,
Returning Officer.

	" " " 3	43	66	46	155	105	260	274	155	118	....	....	1	....
	Tp. of Georgina " 1	41	78	41	160	44	204	225	160	65	....	....	....	....
	" " 2	37	125	92	254	48	302	325	254	70	1	....	....	....
	" " 3	12	86	12	110	28	138	150	110	40	....	....	....	....
	" " 4	55	33	97	185	83	268	300	185	113	1	1	....	....
	Town of Aurora " 1	7	125	121	253	73	326	350	253	97	....	....	....	....
	" " 2	12	164	139	315	67	382	400	315	83	....	....	2	....
	" " 3	13	168	122	303	82	385	400	303	95	1	1	....	....
	" " 4	17	95	112	224	53	277	300	224	74	2	....	....	....
	" " 5	10	57	106	173	40	213	225	173	51	1	....	....	....
	Town of Newmarket—													
	St. Patrick's Ward....A to L	5	123	183	554	343	897	900	554	344	....	2	....	....
	" ....M to Z	12	115	116										
	St. Andrew's Ward....A to L	6	143	125	615	268	883	950	615	332	3	....	....	....
	" ....M to Z	16	194	131										
	St. George's Ward....A to L	11	176	132	640	236	876	900	640	255	4	....	1	....
	" ....M to Z	12	182	127										
	Village of Sutton....A to L	10	200	58	416	176	592	626	416	207	3	....	....	....
	" ....M to Z	11	111	26										
	Village of Holland Landing....	16	68	75	159	40	199	225	159	64	2	....	....	....
	Totals....	1,852	4,341	3,530	9,723	4,270	13,993	14,875	9,723	5,091	37	18	6	....
	Majority for Keith....		811											

			Godfrey	McGuire										
York, West.....	West York Tp....No. 13	68	15	83	311	394	400	83	317	....	....	....	....
	" " 14	58	39	97	480	577	425	97	328	....	....	....	....
	" " 15	65	22	87	256	343	302	88	214	....	....	....	....
	" " 16	126	32	158	403	561	425	159	266	....	....	....	....
	" " 17 A	76	47	123	582	780	350	123	227	....	....	....	....
	" " 17 B	59	16	75			350	75	275	....	....	....	....
	" " 18 A	147	23	170	751	1,017	500	170	330	....	....	....	....
	" " 18 B	79	17	96			500	96	404	....	....	....	....
	" " 19	146	21	167	257	424	425	171	253	4	....	....	....
	" " 20 A	114	32	146	560	785	400	147	253	....	....	....	....
	" " 20 B	68	21	89			400	90	310	....	....	....	....
	" " 21 A	80	17	97	481	690	350	97	253	....	....	....	....
	" " 21 B	68	24	92			348	95	253	2	1	....	....
	" " 22	107	18	125	168	393	425	126	299	1	....	....	....
	" " 23 A	54	36	90	404	583	300	90	210	....	....	....	....
	" " 23 B	59	30	89			300	89	261	....	....	....	....
	" " 24 A	54	26	80	481	621	300	80	220	....	....	....	....
	" " 24 B	42	18	60			300	60	240	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
York, West. —*Con*.....	West York Tp.....No. 25 A	Godfrey 108	McGuire 28	136	758	968	500	136	364	....	....	....	....
	" ..... " 25 B	63	11	74			500	74	426	....	....	....	....
	" ..... " 26	94	6	100	240	340	200	100	100	....	....	....	....
	" ..... " 27	145	11	156	378	534	504	156	348	....	....	....	....
	" ..... " 28	91	10	101	357	458	400	101	299	....	....	....	....
	" ..... " 29	82	8	90	270	363	375	90	285	....	....	....	....
	" ..... " 30	148	34	182	363	545	525	182	143	....	....	....	....
	" ..... " 31	125	11	136	339	475	475	137	338	1	....	....	....
	" ..... " 32	192	27	219	307	526	526	220	306	....	....	....	....
	" ..... " 33	144	3	147	115	262	275	147	128	....	....	....	....
	" ..... " 34	94	4	98	238	354	350	100	250	2	....	....	....
	" ..... " 35	38	10	48	282	330	351	50	301	....	....	....	....
	" ..... " 36	49	2	51	258	309	300	53	297	....	....	....	....
	" ..... " 37	89	9	98	223	358	350	99	251	1	....	....	....
	" ..... " 38	154	21	175	305	480	500	178	322	....	3	....	....
	" ..... " 39 A	69	10	79	504	661	325	79	246	....	....	....	....
	" ..... " 39 B	69	19	88			350	88	262	....	....	....	....
	" ..... " 40	97	26	123	358	471	500	123	379	....	....	....	....
	" ..... " 41 A	71	20	91	453	520	300	92	208	....	....	....	....
	" ..... " 41 B	64	12	76			225	76	199	....	....	....	....
	" ..... " 42	49	2	51	103	154	150	52	98	1	....	....	....
	" ..... " 43	189	21	210	352	562	450	212	238	....	....	....	....
	" ..... " 44	179	14	193	321	514	501	196	305	....	....	....	....
	" ..... " 45	93	19	112	234	346	350	112	238	....	....	....	....
	" ..... " 46	70	29	99	144	243	248	101	147	....	....	....	....

ARTHUR W. FARR,
Returning Officer.

"	"	47	88	24	112	188	300	300	112	188	....	....	....	....
"	"	48 A	93	13	106	278	438	225	106	119	....	....	....	....
"	"	48 B	42	17	59			250	59	197	....	....	....	....
"	"	49	138	34	172	218	390	400	274	226	....	....	....	....
"	"	50 A	145	47	192	661	1,020	525	192	333	....	....	....	....
"	"	50 B	135	32	167			525	169	356	....	....	....	....
"	"	51	129	33	162	137	299	300	164	136	....	....	....	....
Ward 7	"	1	43	8	51	232	283	300	51	249	....	....	....	....
"	"	2	80	8	86	326	402	400	89	311	1	....	....	....
"	"	3 A	14	2	16	201	250	150	17	133	....	1	....	....
"	"	3 B	28	5	33			150	33	117	....	....	....	....
"	"	4	46	15	61	231	295	300	61	239	....	....	....	....
"	"	5	83	17	100	283	383	400	103	297	....	....	....	....
"	"	6	59	5	64	176	240	250	65	185	1	....	....	....
"	"	7	97	18	115	349	463	450	117	333	2	....	....	....
"	"	8 A	36	7	43	248	314	300	43	257	....	....	....	....
"	"	8 B	15	8	23			300	23	277	....	....	....	....
"	"	9	48	19	67	159	226	250	68	182	....	....	....	....
"	"	10 A	70	16	86	223	371	200	97	103	1	....	....	....
"	"	10 B	54	8	62			200	62	138	....	....	....	....
"	"	11	56	7	63	264	327	325	64	261	....	....	....	....
"	"	12 A	56	5	61	164	276	150	63	87	....	....	....	....
"	"	12 B	47	4	51			150	52	98	....	....	....	....
"	"	13 A	43	9	52	324	426	225	51	174	....	1	....	....
"	"	13 B	47	3	50			250	53	197	....	1	....	....
"	"	14	72	8	80	284	364	375	83	292	1	....	....	....
"	"	15	85	5	90	345	435	450	92	358	2	....	....	....
"	"	16 A	72	9	81	252	394	200	81	119	....	....	....	....
"	"	16 B	51	10	61			200	61	139	....	....	....	....
"	"	17	79	4	83	208	291	300	83	217	....	....	....	....
"	"	18	30	5	35	110	145	150	35	115	....	....	....	....
"	"	19 A	32	6	38	148	197	100	38	62	....	....	....	....
"	"	19 B	11	.....	11			100	11	89	....	....	....	....
"	"	20	73	20	93	264	357	350	93	257	....	....	....	....
"	"	21	87	17	104	123	267	275	105	170	....	....	....	....
"	"	22	86	26	112	299	411	400	113	287	....	....	....	....
"	"	23	61	33	94	219	313	326	99	227	2	3	....	....
"	"	24	49	14	63	122	185	203	64	139	....	1	....	....
"	"	25	14	11	25	284	209	225	26	199	1	....	....	....
"	"	26	14	6	20	104	124	125	21	104	1	....	....	....
"	"	27 A	59	19	78	321	458	250	78	172	....	....	....	....
"	"	27 B	40	17	57			250	58	192	....	....	....	....
"	"	28 A	83	24	107	386	577	300	86	214	....	....	....	....
"	"	28 B	67	17	84			375	120	255	....	1	....	....
"	"	29	78	41	119	240	359	375	107	268	....	....	....	....

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		Godfrey	McGuire										
York, West. —*Con.*	Ward 7 ..... No. 30	52	54	106	204	310	301	107	194	1	....	....	....
	" ..... " 31	65	55	120	210	330	350	121	229	....	....	....	....
	" ..... " 32	50	45	95	294	389	400	96	304	1	....	....	....
	" ..... " 33	80	46	126	265	401	426	126	300	....	....	....	....
	" ..... " 34	59	57	116	273	389	400	116	284	....	....	....	....
	" ..... " 35 A	37	19	56	342	497	251	58	193	....	....	....	....
	" ..... " 35 B	48	51	99			250	100	150	....	....	....	....
	" ..... " 36	59	50	109	173	282	275	110	165	1	....	....	....
	" ..... " 37	72	63	135	223	358	423	136	286	....	1	....	....
	" ..... " 38	69	56	125	287	412	425	125	300	....	....	....	....
	" ..... " 39	59	58	117	257	364	375	118	257	....	....	....	....
	" ..... " 40	57	51	108	310	418	427	108	319	....	....	....	....
	" ..... " 41	36	23	59	162	221	225	61	164	....	2	....	....
	" ..... " 42 A	32	11	43	199	294	175	44	131	....	....	....	....
	" ..... " 42 B	27	25	52			163	32	131	....	....	....	....
	" ..... " 43 A	32	.....	32	207	253	150	32	118	....	....	....	....
	" ..... " 43 B	13	1	14			300	14	286	....	....	....	....
	" ..... " 44 A	25	10	35	228	300	149	35	114	....	....	....	....
	" ..... " 44 B	21	16	37			150	37	263	....	....	....	....
	" ..... " 45	64	47	111	201	312	350	111	239	....	....	....	....
	" ..... " 46	40	49	89	200	289	303	190	213	1	....	....	....
	" ..... " 47	43	46	89	245	304	326	89	237	....	....	....	....
	" ..... " 48 A	31	23	54	387	497	250	54	196	....	....	....	....
	" ..... " 48 B	37	19	56			250	56	194	....	....	....	....

| | | |

RETURN from the Records of the GENERAL ELECTION to the Legislative Assembly, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
York, West. —*Con.*	Etobicoke No. 7 A	Godfrey	130	McGuire	59	189	645	936	476	189	286	1	....	....	....
	" " 7 B		153		60	213			500	213	283	4	....	....	....
	" " 8		62		32	94	312	406	426	95	331	1	....	....	....
	" " 9		20		57	77	94	171	175	77	98	....	....	....	....
	" " 10		67		57	124	145	269	275	128	147	3	1	....	....
	" " 11		18		41	59	112	171	201	59	142	....	....	....	....
	" " 12		68		31	99	105	204	265	100	125	1	....	....	....
	New Toronto, Ward 1 " 1		148		28	176	150	326	350	177	173	1	....	....	....
	" " " 1 " 2		147		50	197	196	383	390	200	190	2	1	....	....
	" " " 2 " 1		144		46	190	223	413	425	190	235	....	....	....	....
	" " " 3 " 1		68		14	82	98	180	200	82	118	....	....	....	....
	" " " 3 " 2		85		12	97	71	168	175	97	78	....	....	....	....
	Mimico " 1 A		253		73	326	510	973	502	332	170	....	....	....	....
	" " 1 B		117		67	184			476	184	292	....	....	....	....
	" " 2 A		149		69	218	372	729	399	224	179	....	....	....	....
	" " 2 B		114		40	154			400	154	246	....	....	....	....
	" " 3 A		220		63	283	474	1,136	501	287	214	4	....	....	....
	" " 3 B		153		38	191			575	192	383	....	....	....	....
	Advance Poll		6		6	12	.....	.....	300	12	288	....	....	....	....
	Weston " 1 A		93		37	130	382	577	300	130	170	....	....	....	....
	" " 1 B		43		22	65			300	165	235	....	....	....	....
	" " 2 A		66		45	111	317	508	250	115	135	....	4	....	....
	" " 2 B		39		41	80			275	80	195	....	....	....	....
	" " 3 A		85		33	118	481	698	350	120	230	2	....	....	....
	" " 3 B		60		39	99			350	100	250	1	....	....	....

"	"	4 A	39	25	64	253	490	250	64	186	....	....	....	....
"	"	4 B	31	32	63			250	63	187	....	....	....	....
North York	"	3	87	49	136	367	503	500	136	364	....	....	....	....
"	"	4	14	29	43	49	92	150	92	58	....	....	....	....
"	"	5	42	36	78	140	218	224	74	150	....	....	....	....
"	"	6	63	9	72	126	198	225	73	152	....	1	....	....
"	"	7	17	15	32	102	134	150	33	117	....	1	....	....
"	"	8	32	9	41	128	169	175	42	133	1	....	....	....
Woodbridge	"	1 A	85	46	131	219	490	250	131	119	....	....	....	....
"	"	1 B	102	48	150			250	150	100	....	....	....	....
Vaughan	"	1 A	33	19	52	336	432	225	46	170	3	3	....	....
"	"	1 B	19	25	44			225	44	180	....	1	....	....
"	"	2 A	32	22	54	310	391	199	54	145	....	....	....	....
"	"	2 B	15	12	27			200	27	173	....	....	....	....
"	"	3 A	27	71	98	141	299	175	99	76	....	....	....	....
"	"	3 B	16	37	53			151	53	98	....	....	....	....
"	"	4 A	58	44	102	232	454	248	103	145	....	....	....	....
"	"	4 B	53	67	120			250	120	130	....	....	....	....
"	"	5 A	26	32	58	190	290	300	58	241	1	....	....	....
"	"	5 B	15	27	42			149	42	107	....	....	....	....
"	"	6	88	32	120	131	251	273	121	152	....	....	1	....
"	"	7	20	75	95	134	229	250	75	155	....	....	....	....
"	"	8 A	28	56	84	194	365	200	114	86	2	....	....	....
"	"	8 B	19	68	87			199	89	111	1	....	....	....
Totals			14,338	5,547	19,885	41,254	60,453	63,785	20,437	43,378	62	32	1	....
Majority for Godfrey			8,791											

Vide page 273, *et seq.*, for the By-Elections.

LIST OF RETURNING OFFICERS AT BY-ELECTIONS, 1923

Constituency	Returning Officers	Post Office
1. Grenville	Wm. S. Johnston	Prescott.
2. York, East	James Labbett	Toronto.
3. Kingston	H. D. Wightman	Kingston.
4. Parkdale	W. A. Orr	Toronto.
5. Sudbury	Alexander Irving	Sudbury.
6. York, West	Robert Bull	Weston
7. Wellington, South	W. W. White	Guelph.
8. Norfolk, South	R. W. McCall	Vittoria.
9. Sault Ste. Marie	Geo. E. Richardson	Sault Ste. Marie.
10. Lennox	G. Stanley Reid	Napanee.

BY-ELECTIONS, 1923

Constituency	Candidates	Votes Counted	Remarks
1. Grenville	Hon. George Howard Ferguson	Acclamation.	
2. York, East	Hon. G. S. Henry	Acclamation.	
3. Kingston	Hon. W. F. Nickle	Acclamation.	
4. Parkdale	Hon. W. H. Price	Acclamation.	
5. Sudbury	Hon. Charles McCrea	Acclamation.	
6. York, West	Hon. Forbes Godfrey	Acclamation.	
7. Wellington, South	Hon. Lincoln Goldie	Acclamation.	
8. Norfolk, South	Hon. John S. Martin	Acclamation.	
9. Sault Ste. Marie	Hon. Jas. W. Lyons	Acclamation.	
10. Lennox	Charles Wesley Hambly	see page 272	

STATEMENT of Votes Polled, Number of Polling Booths, and the Number of Names on Voters List at By-Election held on the 22nd day of October, 1923.

Constituency	No. of Polling Booths	No. of Votes Polled	No. of Names on Voters' List
Lennox	31	5,478	8,023

SUMMARY of Votes Cast at the By-Election held on the 22nd day of October, 1923, showing the number of votes polled for each candidate and the majority accorded to the one elected.

Constituency	Candidates	Votes Polled
Lennox	Charles Wesley Hambly	3,031
	Carleton Woods	2,447
	Majority for Hambly	584

C. F. BULMER,
Clerk of the Crown in Chancery.

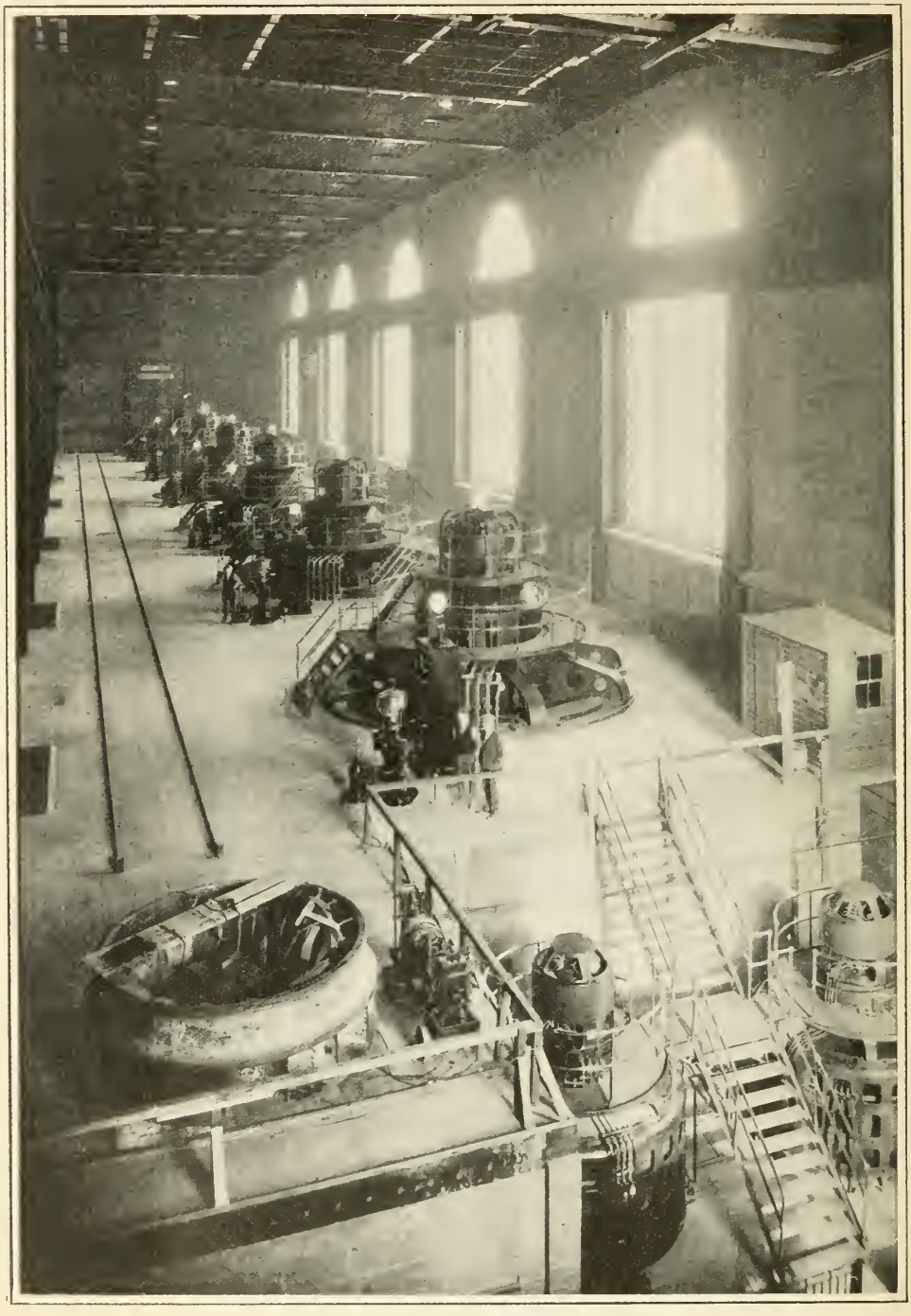
Statement by Returning Officer respecting Votes Polled and Ballot Papers Used at the Polling Places of the Electoral District of Lennox at the By-Election held on the 22nd day of October, 1923.

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
			C. W. Hambly	C. Woods									
Lennox	Napanee, West Ward ..... No. 1 A		90	65	155	66	221	225	155	70	....	....	....
	" " ..... " 1 B		69	34	103	27	130	150	104	46	1	....	....
	" " ..... " 2 A		78	96	174	108	282	300	174	126	....	....	....
	" " ..... " 2 B		90	71	161	80	241	250	165	85	4	....	....
	" Centre Ward .... " 1 A		88	80	168	120	288	300	168	132	....	....	....
	" " .... " 1 B		46	49	95	95	190	200	96	104	1	....	....
	" " .... " 2 A		121	110	231	92	323	325	233	92	1	1	....
	" " .... " 2 B		67	48	115	63	178	200	117	83	2	....	....
	" East Ward		133	143	276	167	443	450	277	173	....	1	....
	South Fredericksburgh ..... No. 1		131	78	209	104	313	325	214	111	4	1	....
	" ..... " 2		93	102	195	91	286	300	196	104	1	....	....
	North Fredericksburgh ..... No. 1		104	85	189	54	243	250	191	59	1	1	....
	" ..... " 2		126	62	188	106	294	300	188	112	....	....	....
	" ..... " 3 A		127	50	177	94	271	275	178	97	....	....	1 ....
	" ..... " 3 B		72	41	113	67	180	200	115	85	....	2	....
	Adolphustown ..... No. 1		109	95	204	56	260	275	206	69	2	....	....
	" ..... " 2		45	23	68	25	93	100	68	32	....	....	....
	Ernesttown ..... No. 1		75	66	141	73	214	225	142	83	....	1	....
	" ..... " 2		167	104	271	121	392	400	273	127	2	....	....
	" ..... " 3		91	104	195	91	286	300	195	105	....	....	....
	" ..... " 4		99	90	189	73	262	275	190	85	1	....	....
	" ..... " 5		142	107	249	87	336	350	251	99	....	2	....
	" ..... " 6		114	64	178	117	295	300	178	122	....	....	....
	Bath ..... No. 1		102	60	162	63	225	250	162	88	....	....	....

GILBERT STANLEY REID,
Returning Officer.

Statement by Returning Officer respecting Votes Polled and Ballot Papers Used at the Polling Places of the Electoral District of LENNOX at the By-Election held on the 22nd day of October, 1923.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of names on the Polling Lists	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		C. W. Hambly	C. Woods										
Lennox.—*Con.*...	Richmond.....No. 1	91	74	165	81	246	250	166	84	....	....	1	....
	" ..... " 2	106	86	192	46	238	250	193	57	....	1	....	....
	" ..... " 3	95	153	248	92	340	350	249	101	1	....	....	....
	" ..... " 4	100	55	155	42	197	200	155	45	....	....	....	....
	" ..... " 5	146	108	254	85	339	350	257	93	3	....	....	....
	Amherst Island.....No. 1	81	87	168	98	266	275	169	106	....	....	1	....
	" ..... " 2	33	57	90	61	151	175	90	85	....	....	....	....
	Totals.....	3,031	2,447	5,478	2,545	8,023	8,375	5,515	2,860	24	10	3	none
	Majority for C. W. Hambly....		584										



QUEENSTON-CHIPPAWA POWER DEVELOPMENT

Interior of power house at Queenston showing six units installed

Sixteenth Annual Report

OF THE

HYDRO-ELECTRIC POWER COMMISSION

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1923

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

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1924

HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

HON. SIR ADAM BECK, KT., LL.D., M.L.A. ..... *Chairman*

HON. J. R. COOKE, M.L.A. ..... *Commissioner*

W. W. POPE ..... *Secretary*

F. A. GABY ..... *Chief Engineer*

To His Honour The Honourable Harry Cockshutt,
Lieutenant-Governor of Ontario

May It Please Your Honour:

The undersigned has the honour to present to your Honour the Sixteenth Annual Report of the Hydro-Electric Power Commission of Ontario for the fiscal year ending October 31, 1923.

This Report covers all of the Commission's activities and also embodies the financial statements of the municipal electric utilities operating in conjunction with the various systems of the Commission and supplying electrical service to the people of the Province. The financial statements, the statistical data, and the general information contained herein have been so arranged as to present clearly and concisely every important feature of the Commission's operations.

The Report deals with all phases of the operations of the Commission for the past year with respect to 13 systems to which are connected 356 municipalities, including 107 townships and rural districts, and 110 industrial companies. The Report also shows the cumulative financial results for the various periods during which operation has been maintained.

Industrial conditions throughout the Province during the year have been considerably below normal, with a consequent reduction in the demand for power for industrial uses. Notwithstanding this adverse industrial condition, there has been a considerable growth in the demand for power on all systems, and on several systems the Commission has reached the limit of the capacity of the existing generating plants. It is, therefore, necessary for the Commission, on practically all systems, to make arrangements to secure additional power developments to meet the ever-increasing demand.

The first five units of the Queenston-Chippawa plant, on the Niagara system, are operating and loaded to capacity, and the Commission is proceeding with the installation of three additional generating units.

In the Thunder Bay system a number of large, long-term contracts for the supply of power have been signed with the various companies which will require all of the available generating capacity of the Cameron Falls development on the Nipigon river.

The following tabulation shows the growth in load on the various systems during the year:

DISTRIBUTION OF POWER TO SYSTEMS

20-Minute Peak Horsepower

System	October 1922	October 1923
Niagara system	259,269	321,448
Severn system	7,450	7,070
Eugenia system	5,750	5,925
Wasdells system	655	700
Muskoka system	1,432	1,415
St. Lawrence system	4,479	5,877
Rideau system	3,183	3,137
Thunder Bay system	11,260	16,958
Ottawa system	11,394	12,528
Central Ontario and Trent system	33,390	37,332
Nipissing system	1,642	1,769
Power Customers	226,040	271,327
Total	565,944	685,486

The cumulative results of the operation of the systems to date as set out in this Report exhibit a remarkably healthy financial condition.

You will observe that this Report is divided into two parts, namely, a section which deals with the operations of the Commission in the generation, transformation and transmission of electrical energy to the municipalities, and a section which deals with the various operations of the municipalities in the distribution of power to consumers.

The total investment of the Hydro-Electric Power Commission of Ontario in power undertakings and hydro-electric railways is $178,960,696.56, and the investment of the municipalities in distributing systems and other assets is $62,892,504.90, making a total investment of $241,853,201.46 in power and hydro-electric railway undertakings.

The following is a statement showing the capital invested in the respective systems and municipal undertakings:

Niagara system	$141,427,301.22
Essex County system	412,536.15
Thorold system	102,094.82
Severn system	1,478,546.62
Eugenia system	2,182,333.89
Wasdells system	419,418.35
Muskoka system	215,123.42
St. Lawrence system	1,045,624.50
Rideau system	1,083,079.21
Thunder Bay system	6,864,225.62
Ottawa system	26,040.09
Central Ontario and Trent system	12,159,555.16
Nipissing system	870,774.16
Service buildings, construction plant, stores, etc.	2,771,019.60
Hydro-electric railways	7,903,023.75
	$178,960,696.56
Municipalities' distributing systems and other assets—all systems	62,892,504.90
Total investment	$241,853,201.46

It is most gratifying to the Commission to be able once again to report that the revenue obtained from the consumers has been more than sufficient to meet

the full cost of generating and transmitting power and to provide for all operating expenses and the fixed charges of municipal utility plants.

The Commission collected from the municipal utilities and other customers, for power sold, a total sum of $15,742,831.91, which was appropriated to meet the expenses of administration and operation, and to set aside adequate sums in respect of sinking fund, renewals and contingencies, leaving a net balance of $345,588.41 collected in excess of requirements, which was returned to the municipalities, and applied in the reduction of their power bills for the year.

The following statement summarizes the Commission's collections from municipal Hydro utilities and other power customers for the year, and shows how they have been appropriated:

Revenue from municipalities and other power customers		$15,742,831.91
Appropriated as follows:		
Operation, maintenance, administration, interest and other current expenses	$13,126,377.98	
Reserved for sinking fund, renewal of plant and equipment and for future contingencies	2,270,865.52	
		15,397,243.50
Net surplus, collected in excess of requirements, returned to the municipalities		$345,588.41

A summary of the financial operation of the municipalities during the year is shown below:

Total revenue collected by the municipalities		$17,219,044.46
Cost of power	$8,699,026.67	
Operation, maintenance and administration	3,901,739.92	
Debenture charges and interest	2,607,741.71	
Depreciation	916,782.75	
Total		16,125,291.10
Surplus for the year		$1,093,753.36

The above covers only the municipalities operating under cost contracts with the Commission.

The total reserves of the Commission and the municipalities for sinking fund, renewals and contingency purposes amount to $33,807,234.83, as follows:

Niagara system	$9,108,010.62
Essex County system	115,796.94
Thorold system	102,110.68
Severn system	319,274.24
Eugenia system	256,675.13
Wasdells system	72,283.23
Muskoka system	32,791.67
St. Lawrence system	154,946.72
Rideau system	57,067.44
Ottawa system	2,031.35
Central Ontario and Trent system	1,408,985.80
Nipissing system	79,810.20
Service buildings, etc.	303,453.79
Total reserves on Commission's property	$12,013,237.81
Total reserves Municipalities	21,793,997.02
Total Commission and Municipal reserves	$33,807,234.83

Attention is called to a remarkable statement in the introduction to Section X, Municipal Accounts, on page 314, in which will be found a list of thirty

municipalities with quick assets of cash, bonds, and accounts receivable, in excess of all liabilities including the balance of their debenture debt, which may fairly be considered as being entirely out of debt. There are also twenty-four additional municipalities in which the balance of liabilities in excess of quick assets is so small that it is expected most or all of them will be out of debt at the end of the present year.

The municipalities' consolidated balance sheet on page 319 shows a total cash balance of $1,276,140.06 and bonds and other investments of $1,153,424.47, or an increase of $821,290.00 over such corresponding assets in 1922. The total surplus in the municipal books now amounts to $14,465,138.33 in addition to a depreciation reserve of $7,328,858.69.

Following is a summary of the operations which are detailed in the Report.

Niagara System

The Niagara system embraces all the territory lying between Niagara Falls, Hamilton, and Toronto on the east and Windsor, Sarnia and Goderich on the west, served with energy generated at Niagara Falls.

The Commission has a total capital, including the capital invested in the Queenston-Chippawa development, the Ontario Power Company and the Toronto Power Company, of $141,427,301.22 and accumulated reserves of $9,108,010.62.

The actual cost of power was $290,935.43 less than the amount of the estimate on which the interim rates were based. The municipalities show a net surplus from the year's operation of $706,149.27 after providing depreciation to the extent of $786,890.00. Only eight municipalities showed an actual deficit during the year, aggregating $38,751.89, out of a total revenue of $14,529,113.05. There has been a gradual increase in the number of customers and in the loads supplied to the municipalities.

The municipalities and other customers of the Niagara system were supplied with power generated by three separate plants, namely, the Queenston generating plant, the Electrical Development Company plant, and the Ontario Power Company plant. These properties have been operated as separate units, and their operations were merged at the end of the year to obtain the average cost of power generated at Niagara Falls for the Niagara system, which worked out to a cost of $14.45 per horsepower per year. This average cost included all carrying charges of every nature on the three systems with the exception of sinking fund and depreciation on the Queenston plant.

At the time of the opening of the Queenston-Chippawa plant, the statement was made that with a load of 250,000 horsepower the cost of generation from the three plants combined would be less than $15.00 per horsepower, and it is gratifying to note that this prediction has been verified at this early date.

Severn System

The Severn system is supplied from the Big Chute development on the Severn river with arrangements for auxiliary supply from the Eugenia system, the Wasdells system and the Orillia plant at Ragged Rapids. This system supplies seventeen municipalities and three rural power districts all situated south of Georgian bay and west of lake Simcoe.

The Commission has a total capital in this system of $1,478,546.62 and accumulated reserves for renewals, sinking fund and contingencies of $319,274.24.

The actual cost of power was $36,630.97 less than the amount of the interim bills, and this amount has been rebated to the municipalities.

The municipal records show a net surplus from the year's operation of $53,900.32 after providing for depreciation to the extent of $13,568.00. One small village had a deficit of $52.12; all of the other municipalities had a clear balance on the year's operation.

Eugenia System

The Eugenia system is supplied with power from a generating plant situated at Eugenia Falls on the Beaver river about twelve miles south of Georgian bay and serves twenty-five municipalities and two rural power districts in that territory.

The Commission has a total capital in this system of $2,182,333.89 and accumulated reserves for renewals, sinking fund and contingencies of $256,675.13.

The actual cost of power during the year was $2,458.41 less than the estimates on which the interim rates were based and the municipalities operated with a net surplus for the year of $32,113.49 after providing for depreciation to the amount of $17,417.66. Five municipalities only operated with a loss, the largest amount being $415.56.

Wasdells System

The Wasdells system, with a generating plant located at Wasdells Falls on the Severn river and also connected up with the Severn and Eugenia systems, and with the Orillia municipal plant, supplies eight villages, two rural power districts and two industrial loads, all situated east of lake Simcoe.

The Commission has a total capital in this system of $419,418.35 and accumulated reserves for renewals, sinking fund and contingencies of $72,283.23.

The actual cost of power during the year was $6,336,63 less than the estimates on which the interim rates were based and the municipalities operated with a net surplus of $18,453.99 after providing for full depreciation. In no case was there any loss.

Muskoka System

The Muskoka system is supplied from a development at High Falls on the Muskoka river and serves the municipalities of Huntsville and Gravenhurst.

The Commission has a total capital of $215,123.42 and accumulated reserves of $32,791.67.

While the actual cost of power was $1,298.61 more than the amount of the interim bills, the municipalities in the operation of their electric utilities absorbed this additional charge and operated with a net surplus of $2,899.30 after providing full depreciation.

St. Lawrence System

The St. Lawrence system serves the district immediately to the north of the St. Lawrence river between Brockville and Cornwall; the supply of power for the system being purchased from the Cedar Rapids Transmission Company, delivery being made from a point near Cornwall. Service is given to ten municipalities, four rural power districts and four companies.

The Commission has a total capital of $1,045,624.50 and accumulated reserves for renewals, sinking fund and contingencies of $154,946.72.

The actual cost of power was $13,399.41 less than the amount of the interim bills and the municipalities operated with a net surplus of $62,952.60 after providing for full depreciation. Three municipalities in this system show a total deficit of $1,931.01.

Rideau System

The Rideau system serves the district in the vicinity of Smiths Falls, Perth and Carleton Place; power being supplied from a development at High Falls, on the Mississippi river, from the Carleton Place generating plant, and also being purchased from the Rideau Power Company.

Growth in the use of power on this system is resulting in taxing the capacity of the existing sources of power supply. The water storage works of the Mississippi River Improvement Company, controlling the waters above the High Falls development, through disrepair, allowed the storage to be depleted early in the year. This, together with the additional demands of the system due to growth, made it necessary to operate a steam plant owned by the corporation of Smiths Falls, in order to supplement the supply of power for the system during the months of January, February, and March. Additional expenses were incurred thereby, which reflect in the annual operating statement of this system.

The Commission has a total capital of $1,083,079.21 and accumulated reserves for renewals, sinking fund and contingencies of $57,067.44.

The actual cost of power was $5,802.48 more than the amount of the interim bills.

One municipality shows a loss of $2,041.17, while the other four show a net surplus of $14,950.49 after providing for full depreciation.

Thunder Bay System

The Thunder Bay system is situated north of Lake Superior, and comprises that section of the Province adjacent to the Twin Cities of Port Arthur and Fort William. It is supplied with power from a development constructed by the Commission on the Nipigon river at Cameron Falls, approximately 60 miles northeast of the city of Port Arthur.

The total capital on the books of the Commission on October 31, 1923, was $6,864,225.62.

The only municipal load supplied at the present time is that of the city of Port Arthur. The city of Fort William has, however, executed a contract with the Commission and will become a co-partner at the end of 1926 at the expiration of its contract with the Kaministiquia Power Company, from which source its supply of power is received at the present time.

Port Arthur operated during the year with a net surplus of $79,555.44, after providing for depreciation to the extent of $13,500.00.

During the year the demand for power increased very rapidly and long-term contracts were secured from two large pulp and paper industries, one being that of the Great Lakes Power Company for minimum firm power amounting to 10,000 horsepower, and the other being that of the Guaranty Investment Corporation with its mill located at Nipigon village, the minimum firm power amounting to 4,000 horsepower. The growing load in Port Arthur, with the additional demands of these two pulp and paper industries, necessitated the installation of two additional units and the extension of the power house. The installation of the equipment is now proceeding and will be in operation during the coming year. The existing loads with other contracts now being negotiated will necessitate proceeding with the completion of the plant for six units as rapidly as construction work can be carried on. That the judgment of the Commission in locating the development on the Nipigon river instead of at Silver Falls—the Dog lake site—on the Kaministiquia river has been amply justified, is borne out by the fact that the Kaministiquia Power Company

has been unable to secure sufficient stream flow for its plant situated on the same river to supply its customers in the city of Fort William, and has, moreover, completely exhausted the storage in Dog lake. This failure to provide power for its customers from the Kaministiquia River development made it necessary for the company to negotiate a contract with the Commission for a supply of power from the Nipigon development and the Commission is making arrangements accordingly in order that the industries in the district may not suffer from lack of power. Had the Commission yielded to the criticism to which it was subjected at the time when additional development was considered for the Thunder Bay district and located a development at Silver Falls, not only would the development at that location have been insufficient to take care of the existing load in Port Arthur, but it would have been unable to assist the Kaministiquia Power Company in its present situation.

There is every indication that the demand for power in the coming year will be sufficient to meet both operating expenses and interest charges in full.

Central Ontario System

The Commission operated this system in the same manner as in the period commencing with March 1, 1916. The nucleus of this system was the group of properties controlled by the Electric Power Company, Limited, and operated by it through the agency of twenty-two subsidiary companies. These properties were all purchased by the Province of Ontario on March 1, 1916, and have been operated by the Commission as trustee for the Province since June 1, 1916. Since that date the system has been greatly enlarged and expanded to meet the constantly growing needs of the district.

Steady growth of load caused the Commission to decide on the construction of new developments on the Trent river. The power sites at Dam No. 8 and at Dam No. 9 near Campbellford were selected as the most suitable and the work of construction was commenced. These two developments will add approximately 10,000 horsepower to the capacity of the system. It is intended to complete them by the summer of 1924.

The financial results of the operations of the year were very satisfactory. After meeting all operating and maintenance costs, all interest, all sinking fund on that portion of the investment for which sinking fund provision is required, provision for renewals reserve of $130,511.24, and provision for contingencies reserve of $78,441.20, a net surplus of $32,439.59 was available.

It is worthy of note that the total reserves which have been set up out of earnings for the benefit of this system now amount to $1,488,796.00.

Trent System

The twelve municipalities operating their own distribution systems under cost contracts with the Commission in the district known as the Central Ontario system have been grouped under the above heading. They are served with energy from, and are considered as customers of, the Central Ontario system.

Their combined operation for the year shows a net surplus of $79,117.29 after providing for $20,993.07 depreciation. One municipality shows a loss of $51.68 but this covers only two months' operation.

Respectfully submitted,

Adam Beck,
Chairman

TORONTO, ONTARIO, March 31st, 1924.

HON. SIR ADAM BECK, KT., LL.D., M.L.A.,
Chairman, Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.

SIR,—I have the honour to transmit herewith the Sixteenth Annual Report of the Hydro-Electric Power Commission of Ontario for the fiscal year ended October 31st, 1923.

I have the honour to be,

Sir,

Your obedient servant,

W. W. POPE,
Secretary

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MAP

Transmission lines and stations of the Hydro-Electric Power Commission of Ontario - At end of volume

SIXTEENTH ANNUAL REPORT

OF THE

Hydro-Electric Power Commission of Ontario

SECTION I

LEGAL PROCEEDINGS

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, in 1923 passed four special Acts relating to the work of the Hydro-Electric Power Commission of Ontario. These Acts are reproduced in full as Appendix I to this report. The short titles to the said Acts are as follows:

The Power Commission Act, 1923, Chapter 12.

The Rural Hydro-Electric Distribution Act, 1923, Chapter 13.

The Hydro-Electric Negligence Act, 1923, Chapter 39.

The Guelph Railway Act, 1923, Chapter 40.

The agreements between the Hydro-Electric Power Commission of Ontario and the Municipalities and Corporations mentioned in the list hereunder given were approved by Order-in-Council dated the 25th day of July, 1923.

Cities	
Welland	July 4, 1919

Towns	
Ford City	May 4, 1922
Ford City	Sept. 15, 1922
Orangeville	Mar. 25, 1916
Riverside	May 10, 1922
Riverside	Sept. 12, 1922
Tecumseh	June 2, 1922
Tecumseh	Sept. 1, 1922
Trenton	May 17, 1922

Villages	
Beaverton	Mar. 20, 1913
Belle River	Aug. 18, 1922
Cannington	Mar. 10, 1913
Embro	May 5, 1914
Hensall	April 14, 1916
Marmora	Dec. 19, 1920
Merlin	Mar. 28, 1922
St. Clair Beach	Oct. 31, 1922
Tavistock	Feb. 28, 1916
Thornton	April 12, 1919
Woodville	Aug. 15, 1913

Police Villages

Agincourt	Jan. 31, 1922	Granton	Jan. 26, 1916
Comber	Sept. 12, 1914	Sunderland	Aug. 15, 1913
Dorchester	July 5, 1915	Wellesley	April 14, 1916

Townships

Ancaster	May 2, 1922	Mara	April 26, 1921
Anderdon	Oct. 23, 1922	Mariposa	Dec. 15, 1922
Blandford	Feb. 13, 1922	Markham	May 1, 1922
Blenheim	April 15, 1922	Moore	July 10, 1922
Bosanquet	Feb. 7, 1922	North Dumfries	Feb. 18, 1922
Brant	Nov. 7, 1921	Oakland	April 3, 1922
Caradoc	April 3, 1922	Oro	1921
Clinton	May 4, 1922	Reach	Sept. 11, 1922
Dover	June 28, 1922	Rochester	June 12, 1922
Easthope North	Aug. 28, 1922	Saltfleet	Dec. 15, 1921
Easthope South	Sept. 1, 1922	Sandwich South	May 19, 1922
East Oxford	May 4, 1922	Sandwich West	April 8, 1922
East Zorra	April 13, 1922	Scarborough	June 19, 1922
Ekfrid	May 20, 1922	Scarborough	June 19, 1922
Flamboro East	April 3, 1922	South Dorchester	Nov. 15, 1916 (Nov. 16)
Gosfield South	Jan. 27, 1923		
Grantham	Oct. 9, 1922	Stephen	April 3, 1922
Hay	May 10, 1921	Toronto	April 1, 1922
Humberstone	Oct. 2, 1922	Toronto	July 1, 1922
Kingston	June 5, 1922	Usborne	June 3, 1922
Lancaster	Sept. 8, 1922	Vaughan	Nov. 8, 1922
Lobo	Jan. 8, 1923	Waterloo	Aug. 26, 1922
London	May 15, 1922	West Oxford	May 2, 1922
Louth	April 13, 1922	Woodhouse	Feb. 25, 1922
Maidstone	June 12, 1922	Woolwich	Aug. 1, 1922

Corporations

Armstrong Brothers & C. S. Parker	Oct. 10, 1922
Christie, Henderson & Co., Ltd	July 1, 1922
Eugene F. Phillips Works, Ltd	April 20, 1922
Grand Trunk Railway Co. of Canada	May 10, 1922
Grenville Crushed Rock Company, Ltd	Mar. 1, 1922
Hanover Cement and Stone, Limited	Dec. 30, 1922
International Nickel Co. of Canada, Ltd	Aug. 24, 1922
P. Lyall & Sons Construction Co., Ltd., (12,000 volt power)	Oct. 19, 1922
P. Lyall & Sons Construction Co., Ltd., (2,200 volt power)	Oct. 19, 1922
Ontario Gypsum Co., Ltd	Sept. 9, 1922
D. Robertson & Co., Limited, Toronto	July 1, 1922
Streetsville Lumber Co., Toronto	Sept. 5, 1922
Victoria Road Mutual Electric Association	Nov. 7, 1922

By-laws and agreements of a number of municipalities were submitted to the Commission for approval during the year. These by-laws and agreements dealt with various matters, such as, working arrangements for operation, acquiring assets of a number of local distribution systems, street lighting in townships, etc. These documents were duly examined and approved or amended. The practice of collection of arrears of rates was in a number of instances brought in line with the Statutes. Agreements covering the acquisition of a number of local franchises were prepared. A large number of other legal matters were also dealt with, e.g., a conflict of trade mark and name; control of railway fares; standard forms for bonds; sales tax, etc.

The construction and operation of power line crossings over railways and the operation of the various lines of electric railways now controlled by the Commission necessitated many attendances before the Ontario Railway and Municipal Board.

RIGHT-OF-WAY AND LANDS

Land Survey and Title Records

Surveys of all lands purchased or acquired are being carefully gone over, and a title record book, available for general departmental use, is being compiled, giving full details of the land, including a description and a plan which is plotted as a permanent record. About two thousand separate records have been made to date and there remain about one thousand transfers to record. When compiled with current purchases of property, this title book will form a most complete record of the lands owned by the Commission.

In addition to the above a complete record has been made of all tree trimming rights, and of easements for both high- and low-tension lines.

Toronto and Niagara Power Company

The lands and assets included in the city of Toronto distribution system were transferred to that city. Assessments on buildings in a number of municipalities were the subjects of appeal in quite a number of cases and were satisfactorily disposed of in accordance with the provisions of the Power Commission Act. A number of expiring leasehold rights were renewed. That in connection with the steam plant on the water front in the city of Toronto is still under negotiation. Railway sidings across the right-of-way in the city of Toronto have necessitated the preparation of leases and agreements.

Toronto and York Radial Railways

The improvement of the service of these railways on Yonge street, Kingston road and the Lake Shore road made necessary better and more frequent passing sidings on those roads. To secure these, arrangements have been made with the provincial Department of Public Highways and the approval of the Ontario Railway and Municipal Board obtained. The subdivision of lands adjoining these railways rendered it necessary to provide more numerous crossings. A satisfactory method of obtaining security in the case of lost freight has been put in practice.

Power Lines

During the year work on the power development plant at Bingham Chute on the South river near Powassan was commenced and carried to completion and similar work was begun and is at present in progress at Dam No. 8 and Dam No. 9 on the Trent river near Campbellford. This work necessitated the purchase of a considerable quantity of land in both cases for flooding purposes, operators' residences, etc. The questions of riparian rights and titles of the various properties acquired were duly investigated.

High-Tension Lines

A steel-tower line has been constructed from Stoney Creek on the Queenston-Hamilton line across Burlington bay to connect with the section "B.B." line at Nelson Junction. The necessary rights were secured from the Department of Marine at Ottawa and from the Hamilton Harbour Board, also from private owners interested in this connection.

A similar line has been built to link up York station with the lines of the Toronto and Niagara Power Company near Islington and the right-of-way purchased.

A third line from the new power house at Queenston to Allenburg has been completed and the right-of-way partially purchased.

One arbitration took place during the year. The case concerned the right-of-way for the railway connecting the Queenston power house with the Michigan Central station, the owner of the land and the Commission being unable to agree on the price to be paid. This is the only case where it has been found necessary to resort to arbitration during the past six years.

Sites of operators' residences have been purchased at Dam No. 8 on the Trent river, at Powassan and in three locations on the line between Cameron Falls and Port Arthur, and right-of-way is now being secured for the new tower line to Fort William.

Station sites have been acquired in the following places:—Bridgeman avenue and Wiltshire avenue (Toronto), Pinedale, Sedore, Warkworth, Mountjoy, Lakeview, and St. Davids.

Properties no longer required for the purposes of the Commission at Port Hope, Newburgh, Chippawa, Cornwall, and East Flamboro have been sold.

Steps have been taken to lease the right-of-way of the high-tension line between St. Thomas and Windsor at nominal rentals to the various farmers from whom the lands were acquired. Over two hundred and fifty leases have been issued to date.

Rural Lines

Construction work on rural lines has been carried on in the following townships during the year:

Beverley, Brock, Charlottenburg, Chatham, Delaware, Dover East, Harwich, Howard, Kingston, Lobo, London, Louth, Maidstone, Mariposa, Moore, Niagara, Orford, Saltfleet, Sarnia, Southwold, Scarboro, Thorold, Vaughan, Waterloo, Wellesley, West Oxford, Westminster, Whitby, Woolwich, York.

Low-Tension Lines

Work to a greater or lesser extent has been carried on during the year on the following lines:

Crossing Trent river, Meyersburg,
Warkworth substation to Warkworth,
Peterboro,
Chesley to Paisley,
Hanover to Walkerton,
Mount Forest to Harriston,
Durham to Mount Forest,
Junction Pole to Meaford,
Chatsworth to Owen Sound,
Walkerton to Kinloss Jct.,
Kinloss Jct. to Kincardine.
Cornwall to Howard-Smith distributing sta.
Martintown to Lancaster,
Brockville to Morrisburg,
Morrisburgh to Prescott,
Rapide Plat canal,
Yonge St. to Mountjoy station,
London to Lucan,
Guelph to Rockwood,
Guelph to Acton,
Hespeler to Christie Henderson Co., Plant,
Christie Henderson Co. & D. Robertson Co.,
Seaforth to Clinton Feeder,
Huron road East of Goderich,
Windsor to Walkerville,
Grimsby to Beamsville,
City of St. Catharines,
Lansing to Oriole,
Mountjoy to Stouffville,
South Falls to Waubashene,
Niagara River telephone system,
Preston to Kitchener,
County road South of Hespeler,
Stratford to Sebringville Jct.,
St. Thomas station–Kent station,
Essex-Walkerville,
Essex station–Canadian Salt Company,
Sarnia to Wisbeach,
Corunna to Courtright,
Tecumseh road to Walkerville,
St. Thomas-Aylmer,
Woodstock-Ingersoll,
H.O. Cereal Co. (Ayr, Ont.),
Brantford,
Cooksville to Brampton,
Forest to Thedford,
Fletcher-Merlin,
Thamesville-Bothwell,
Wallaceburg,
Port Arthur lines–Dorion twp., Nipigon.

This work involved the acquisition of a large number of pole and anchor rights as well as tree trimming rights.

The construction of the rural and low-tension lines on the various highways of the province and the improvement of roads by the Department of Public Highways and many of the counties has rendered it necessary to carry on a great deal of correspondence and negotiation with the provincial Department of Public Highways and the highway superintendents of roads in the various counties in reference to the moving of poles, tree trimming, etc.

Following is a summary of the transactions completed by the Department during the year:

Number of parcels of land purchased	44
Number of rights for towers and overhangs secured	99
Number of rights for poles secured	334
Number of rights for anchors secured	117
Number of tree trimming agreements secured	156
Number of damage claims settled	89

SECTION II

OPERATION OF THE SYSTEMS

During 1923 the operation of all systems continued under very similar conditions to those outlined in the last Annual Report, the chief problems in operating arising out of the increase of load to a point where it demands the full plant capacity, making it difficult to take equipment out of service for maintenance or alterations, and affecting regulation of voltage. In spite of the difficulties encountered in this respect, and the usual troubles common to all machinery and operating equipment, service has been maintained at a high standard, and it has not been necessary to make any extensive curtailments in the supply of power to customers.

The growth in the load has been general. From reference to the table given herein, showing the total power generated and purchased, it will be noted that the total output has increased by the remarkable amount of 549,000,000 kilowatt-hours, an increase of 24 per cent, over the preceding year, which, in its turn, showed a marked increase over 1921.

The maximum demand or peak load of the various systems is also higher, showing considerable increases in some cases, as may be seen by referring to the graphs given in this section. This increase in the peak load has not been as great as the increase in the average load, but owing to the diversity in time of peaks, it is difficult to sum them up and give a general figure representing the amount or rate of this increase. The peak loads of the generating plants, given in the table, show that practically all plants have been loaded at times close to, or beyond, normal capacity, but due to the interconnections between plants and diversity in time of peaks, these figures do not indicate the demands of the various systems. Examination of the figures for individual systems shows an increase in the peak load on practically all—the rate of increase varying. On a number of systems the maximum demand has approached the normal generating capacity so closely that no marked increase in peak load is possible until additional sources of power are available, and on some systems the supply of power is limited by the stream flow, the regulation of which, and of storage levels, is outside of the Commission's control.

The restrictions imposed by the available capacity have, in some instances, operated to prevent much increase in the maximum load, but even including those systems where no curtailment in the supply has been necessary, the relatively greater increase in the average load indicates that the public, generally, is making a greater use of power, that is, using it for a greater number of hours each day or month. The ratio of the average load to the maximum demand is technically known as the load factor and, from an operating standpoint, this increased load factor means that equipment is required in service for a greater number of hours each day, and consequently that there is less opportunity for taking it out of service for maintenance or repairs. Looked at from a broader

standpoint, it means that a greater amount of service is being obtained from the same amount of equipment and the same capital expenditure, and the increase is, therefore, a matter for congratulation.

Summing up the general load conditions, it may be noted that the demand for power has taxed very closely, and even to an alarming extent, the capacity available on the Niagara system, on the Central Ontario and Trent system, the Rideau system, the Nipissing system, the Severn, Eugenia and Wasdells systems, and the Muskoka system. The generating capacity should be sufficient to permit generating units or pieces of equipment to be taken out of service for maintenance work to guard against trouble developing, and in cases of accident it should be sufficient to permit of the same thing being done for purposes of repair, without cutting off the supply of power to consumers. The word "alarming" is used to indicate that the margin between demand and capacity is too small to permit of such maintenance and repair work.

On the Niagara system the power supply was augmented by 60,000 horsepower in December, and by a further 60,000 horsepower in April, through the completion of the fourth and fifth units at Queenston. The supply of 30,000 horsepower under a temporary arrangement with the Canadian Niagara Power Company was terminated in December, reducing the net increase in capacity at that time to 30,000 horsepower. The margin between the demand and the capacity to supply was so narrow that when ice trouble occurred in February, reducing the output, it was necessary to operate the steam plant in Toronto in order to carry the Niagara system load. The completion of the fifth unit at Queenston in April, adding another 60,000 horsepower to the capacity, relieved the situation during the summer months, but the total increased capacity for the year, as stated above, has been only 90,000 horsepower, and the Niagara system peak at the end of this fiscal year shows an increase of 82,688 horsepower over the same month of last year. Therefore, the situation on the Niagara system has been relieved only to the extent of 7,000 horsepower, which, on a load of the magnitude of the Niagara system, is only about 2 per cent, and the normal increase in load during November and December will demand more than this amount.

The growth in the demand for power has been such that the output of each new generator at Queenston has been absorbed almost as soon as it became available. This condition, referred to in the previous year's report, has continued during the past year. The usual decline in the load during the summer months, which followed the completion of the fifth unit in April, 1923, largely offset the underlying growth, but as reference to the load graphs for Queenston and the Niagara system will show, even under those conditions, part of the output of No. 5 generator was required immediately following its completion, and the large increase in the demand as autumn approached has called for the operation of all five units at practically full capacity. From the above it is evident that the Commission and its engineers have shown great foresight in anticipating the demand for more power, constructive ability in planning and providing the necessary plant in sufficient time, and constant care and skill in operating and maintaining it in service, so that the large section of Ontario served from the developments at Niagara suffered no loss and inconvenience during the past year from lack of power.

On other systems the demand for power has pressed even more closely on the capacity available.

On the Central Ontario and Trent system the output of the new generating plant at Ranney falls has been nearly all absorbed, and due to insufficient stream flow at times, some slight power shortages occurred, as explained in detail in Appendix III in last year's Annual Report, and in the section of this year's Report dealing with the Central Ontario and Trent system. Owing to the flexibility in the daily distribution of water, this system has always been able to carry its peak loads when sufficient water has been available to meet its average demand, but the peak load has now reached a point at which it severely taxes the available capacity of the system, and in the near future further sources of power must be provided.

On the Severn, Eugenia and Wasdells systems curtailment in the supply of power to the consumers was only avoided by the purchase of all available power, the co-operation of the engineers of the Department of Railways and Canals in maintaining as high a stream flow as possible, and by the construction of a frequency-changer station which permitted the transfer of 1,000 horse-power from the Niagara system.

The generating plant at South falls on the Muskoka system has been loaded to its maximum capacity.

On the Nipissing system it was necessary during January, February and March to operate the Commission's steam plant at North Bay to full capacity in order to assist in carrying the load, and due to the unusually low stream flow, reducing the possible output from the plant at Nipissing, the two stations were unable to supply the full amount of power demanded.

The Thunder Bay system had some surplus capacity, but not sufficient to permit of one generator being kept out of service for maintenance or repairs, and continuation of the present rate of growth in the load will make the situation more difficult from an operating standpoint, demanding the installation of additional generating units.

On the Rideau system it was necessary to operate local steam plants to relieve the power shortage due to lack of water during the winter of 1922-1923.

From the above it will be seen that on all systems, except the St. Lawrence, the problem of maintaining a supply of power to meet the demand is serious, and further that no system has sufficient surplus capacity to permit power being diverted to relieve the situation elsewhere without prejudicing the supply to the consumers on the system from which it might be taken. The necessity for skill and care in the operation of existing stations, to insure the maximum safe and continuous output, is as obvious as is the need for the provision of further sources of supply.

TOTAL POWER GENERATED AND PURCHASED

Plant	Normal operating capacity horsepower	Peak load horsepower	Total output during fiscal year kilowatt-hours
HYDRO-ELECTRIC GENERATING PLANTS			
Niagara: Queenston plant	295,000	276,139	884,770,000
Niagara: Ontario Power Co. plant	171,000	172,252	846,938,700
Niagara: Toronto Power Co. plant	145,000	147,185	641,775,000
Big Chute	5,760	5,760	24,797,060
Eugenia Falls	6,170 *d*	6,133	12,335,000
Wasdells Falls	940	1,180	3,122,161
South Falls	1,400	1,480	5,810,722
High Falls	2,400	2,680	6,012,274
Carleton Place	400	375	390,354
Cameron Falls	26,000	17,158	66,917,200
Sidney, Dam No. 2	4,020	5,094	15,068,700
Frankford, Dam No. 5	3,485	3,432	13,068,400
Ranney Falls, Dam No. 10	9,650	11,394	39,377,520
Campbellford, Dam No. 11	4,020	4,303	13,764,400
Heely Falls, Dam No. 14	12,060	15,818	17,943,600
Auburn, Dam No. 18	2,010	2,681	10,060,030
Fenelon Falls, Dam No. 30	1,000	1,045	3,745,600
Nipissing	1,740	1,769	5,851,145
Totals, hydro-electric plants	692,055	675,878 *b*	2,631,747,866
STEAM PLANTS			
Toronto steam plant	20,000 *c*	10,016	59,140
North Bay steam plant	470	635	474,230
Smith Falls (plant rented)	268	335	174,408
Totals, steam plants	20,738	10,986 *b*	707,778

POWER PURCHASED

Company or Commission	Contract amount horsepower	Peak horsepower	Total purchased kilowatt-hours
Canadian Niagara Power Co	20,000	39,544	132,101,560
Cedar Rapids Power Co	6,630	6,630	23,082,500
Rideau Power Company	650	1,099	2,372,862
Orillia Water, Light & Power Commission	800	3,217	5,309,290
Ottawa and Hull Power & Mfg. Co	14,500	12,528	42,186,000
Campbellford Water & Light Commission	1,609	2,278	2,894,650
Peterboro Hydraulic Power Company	.....	2,733	1,521,025
Canadian General Electric Co., Peterboro	.....	1,573	441,641 *a*
Wingham Utilities Commission	.....	102	51,533
Total purchased	44 189	69,704 *b*	209,961,061
Grand total, 1923	756,982	756,668 *b*	2,842,416,705
Grand total, 1922	704,289	729,348 *b*	2,293,447,600
Increase	.....	.....	548,969,105 = 24 per cent

a Part in connection with exchange power arrangement.

b Peak totals given are direct sums of plant peaks as shown without allowance for diversity in time. Therefore these totals do not indicate the demands on the various systems where there is more than one plant supplying power.

c Peak rating only.

d Capacity varies according to storage or head water level.

NIAGARA SYSTEM

During the past year the supply of power to the Niagara system was greatly augmented with the placing in service of the fourth generator at Queenston, of 60,000 horsepower capacity, on December 1, 1922, and further increased on April 8, 1923, when the fifth Queenston generator of similar capacity was placed in service.

At the beginning of the fiscal year an arrangement with the Canadian-Niagara Power Company was in effect covering the temporary supply of 50,000 horsepower. The Canadian-Niagara Power Company had need of more power, and gradually cut down the amount sold to the Commission to 20,000 horsepower by December 31, 1922. This 20,000 horsepower is covered by a definite contract for sixteen years. The reduction of 30,000 horsepower in the supply of purchased power partly offset the increase gained by the completion of the fourth generator at Queenston, and during the winter months, until the completion of the fifth unit at Queenston, the demand for power continued to tax closely the capacity of the Commission's plants.

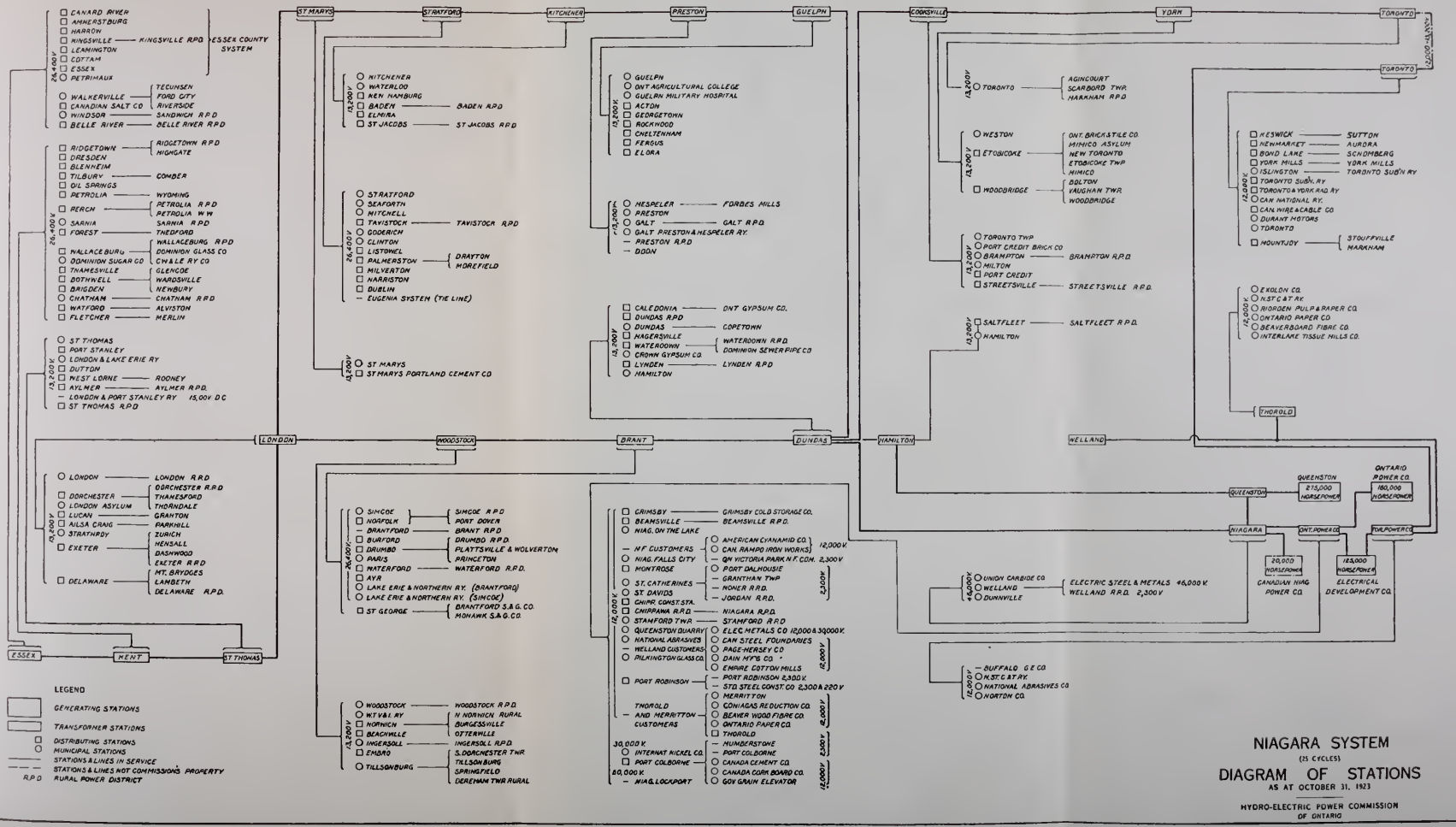
The power supply available to the 110,000-volt system from Queenston, and from the Ontario Power Company plant to the Niagara step-up transformer station, and thence to the 110,000-volt system, was continuous, and not a total interruption to the 110,000-volt supply is attributable to generating station failures. During the year power was received at the main 110,000-volt switching station at Dundas 99.982 per cent of the total time. The main interruption (which totalled in time 93 per cent of the total interruptions) occurred on November 23, when the transformers and low-tension switching equipment in the Dundas station were destroyed, while the high-tension busses and equipment were badly smoked. Within one hour and thirty-three minutes after the beginning of this trouble, the Operating Department's field staff had made emergency repairs and connections, and power was again restored to the 110,000-volt lines beyond Dundas. The damaged portion of the station has been completely rebuilt with heavy duty equipment, and the high-tension section extended to accommodate the new high-tension lines being constructed, provision being made for the installation of two more line breakers.

At York, on December 4, 1922, the temporary York station, with the exception of the high-tension transformer bank, was destroyed by a fire which originated in the low-tension section. High-tension service was unaffected by the trouble, but some inconvenience was caused the customers fed from this station, it being necessary to limit their load for a time.

Some damage was caused at Woodbridge and Fergus distributing stations, where, due to lightning, a short circuit developed on the bus work inside the station. The maintenance staff was able, with but a few hours' interruption, to restore service to these customers.

During the year electric storms were reported on forty-three days, the first occurring on April 19, and the last on September 28. Twelve of the storms were of a general nature, traversing the larger portion of the system, while that of June 25, in the Cooksville and Guelph districts, was accompanied with heavy gales, which destroyed houses, barns, fences, etc., and damaged a number of our 13,200-volt feeders to a greater or less extent.

Anticipating increased demands on a number of the Commission's 110,000-volt stations, the capacity of these was increased as follows: At York, three



NIAGARA SYSTEM

(25 CYCLES)

DIAGRAM OF STATIONS

AS AT OCTOBER 31, 1923

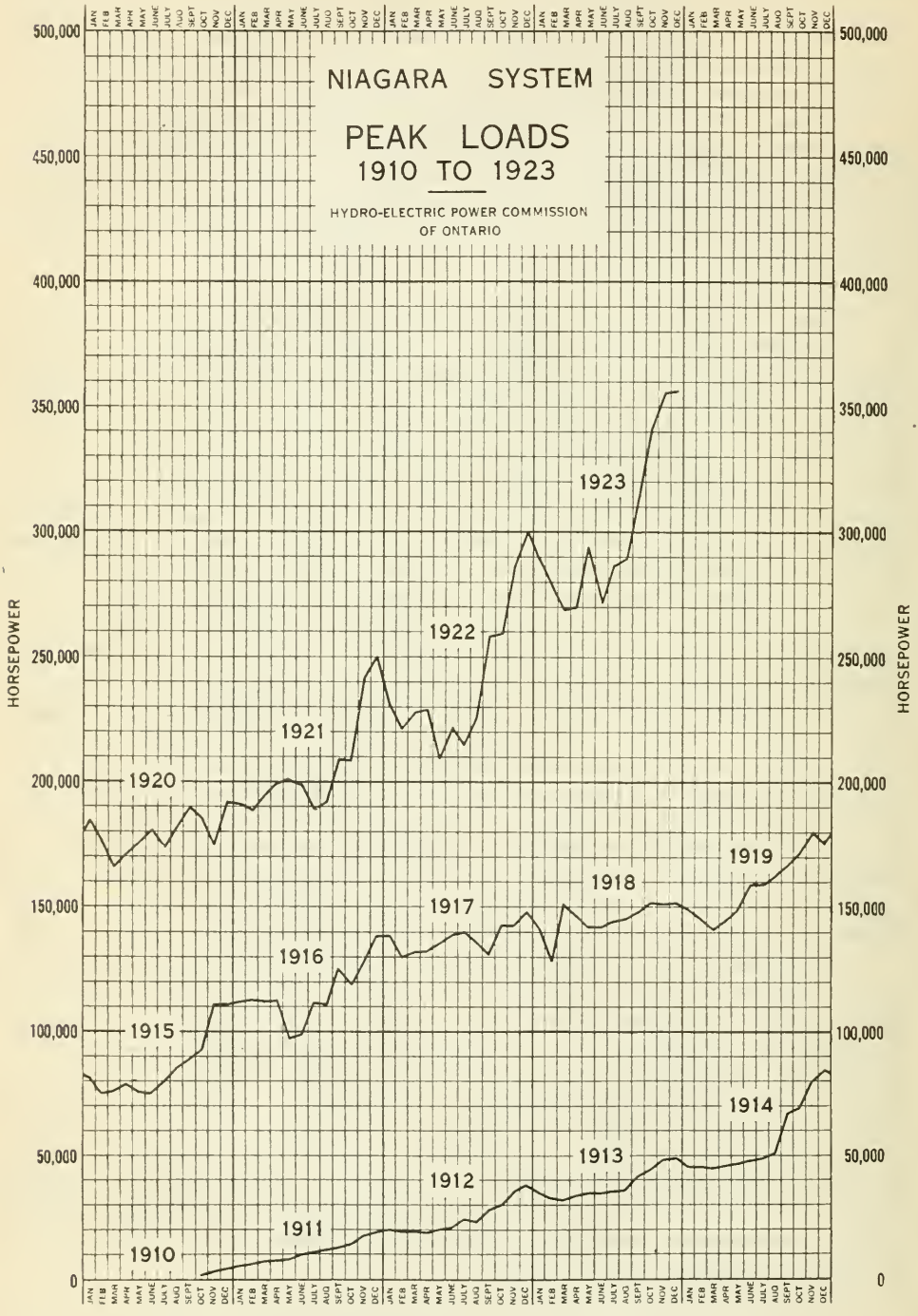
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

5,000-kv-a. transformers replaced three of 1,250-kv-a. capacity; at Hamilton, a second bank of three 5,000-kv-a. transformers was placed in service; at Stratford, the capacity was increased from 3,750 kv-a. to 7,500 kv-a.; at London, three 5,000-kv-a. units replaced three 2,500-kv-a. transformers, increasing the total capacity at this point to 30,000 kv-a.; at Preston, three 1,250-kv-a. transformers replaced three 750-kv-a. units, making station capacity 7,500 kv-a.; at Woodstock, three 1,250-kv-a. transformers were replaced by three 2,500-kv-a. transformers; at Essex, a second bank of three 5,000-kv-a. transformers replaced the bank of three 2,500-kv-a. units; at Toronto, a bank of three 5,000-kv-a. transformers was installed immediately outside and to the north of the present station building; at Dundas, a bank of three 5,000-kv-a. transformers replaced the two banks of 2,500-kv-a. units which were destroyed in the fire of November 23.

During the year changes at the following distributing stations occurred: at Etobicoke station, one 1,500-kv-a., three-phase transformer was added; at Georgetown, two 300-kv-a., three-phase units replaced a bank of three 150-kv-a. transformers; at Streetsville, three 75-kv-a. units were replaced with three 150-kv-a. transformers; at Preston high-tension station, three 20-kv-a. transformers in the Preston rural service were replaced with three 75-kv-a. units; at Brant high-tension station, three 50-kv-a. transformers were added for the St. George and the Sand and Gravel Company's loads in Brantford district; at St. Mary's Portland Cement station, one 1,500-kv-a., three-phase transformer replaced three 150-kv-a. units; at Cooksville high-tension station, the three 350-kv-a. transformers used to supply the frequency changer set and also a portion of the Toronto township load were replaced by three 50-kv-a. transformers. The three 350-kv-a. transformers along with the frequency changer set were moved to Mount Forest in order to supply power to the Eugenia system from the Niagara system. At Port Credit, one 300-kv-a., three-phase, outdoor-type transformer was added; at Hagersville, one 300-kv-a., three-phase, outdoor-type transformer was added; at Beachville, three 150-kv-a. transformers replaced three 75-kv-a. units; at Ridgetown, three 150-kv-a. transformers replaced three 75-kv-a. units; at Caledonia, two 300-kv-a., three-phase units replaced three 150-kv-a. transformers; at Norwich, three 150-kv-a. transformers replaced a bank of three 75-kv-a. transformers; at Aylmer, three 75-kv-a. units replaced three 50-kv-a. transformers, and at Milton Pressed Brick Company, three 75-kv-a. transformers replaced three 30-kv-a. units.

The following new distributing stations were placed in service during the year: Woodstock rural, with three 37½-kv-a. transformers; Perch, with three 75-kv-a. transformers; Belle river, three 50-kv-a. transformers; Grimsby, one 300-kv-a., three-phase, outdoor-type transformer; Beamsville, one 300-kv-a., three-phase outdoor-type transformer; Fletcher, one 150-kv-a., three-phase, outdoor-type transformer; Chippawa, one 300-kv-a., three-phase, outdoor-type transformer; Norfolk, one 300-kv-a., three-phase, outdoor-type transformer; Etobicoke township, one 300-kv-a., three-phase, outdoor-type transformer; Dundas rural, one 300-kv-a., outdoor-type transformer; St. Thomas rural, one 150-kv-a., three-phase transformer; Mount Joy, one 150-kv-a., three-phase, outdoor-type transformer; Christie-Henderson Line Company, near Hespeler, three 50-kv-a. transformers.

The routine duties necessary in the operation and maintenance of the Commission's extensive network of lines were effectively carried out by the line maintenance field force. In addition a great amount of work was required on a number of the Commission's feeders in order to have the pole locations


NIAGARA SYSTEM
PEAK LOADS
1910 TO 1923
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
HORSEPOWER
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC

conform with the new road boundaries resulting from the construction of the Provincial highways.

Insulator testing on the 110,000-volt lines was carried on during the summer months, and of some 121,174 units tested, approximately 2.6 per cent were found defective and replaced.

The remaining ground cable (with exception of the one cable on the peak of the tower) on the 110,000-volt towers was completely removed, and the reinforcing of the loops on the lines between Niagara, Dundas and Toronto was finished early in the year.

In the Cooksville district the Streetsville and Milton feeders were completely reinsulated, and sections blown over by the storm of June 25, totalling some five or six miles, were rebuilt. A large portion of the work was done with the line alive, using special tools.

A number of new lines and feeders totalling a considerable mileage were placed in service during the year.

The Station Maintenance department has carried out the usual general overhaul of all 110,000-volt oil-breakers and lightning arresters on the system. In addition, all low-tension oil-breakers and lightning arresters were periodically inspected and overhauled when necessary.

Transformers which failed in service were rebuilt. These included high-tension transformers at Dundas and Preston, and low-tension units at Tilbury, Wallaceburg, Ridgetown, Bothwell, Essex, Waterford, Drumbo, Norfolk, Port Credit, Baden, and Etobicoke.

At Brant, London, St. Thomas, Kent, and Essex, insulators on the horn-gap towers, which had given a great deal of trouble, were replaced by units of later design.

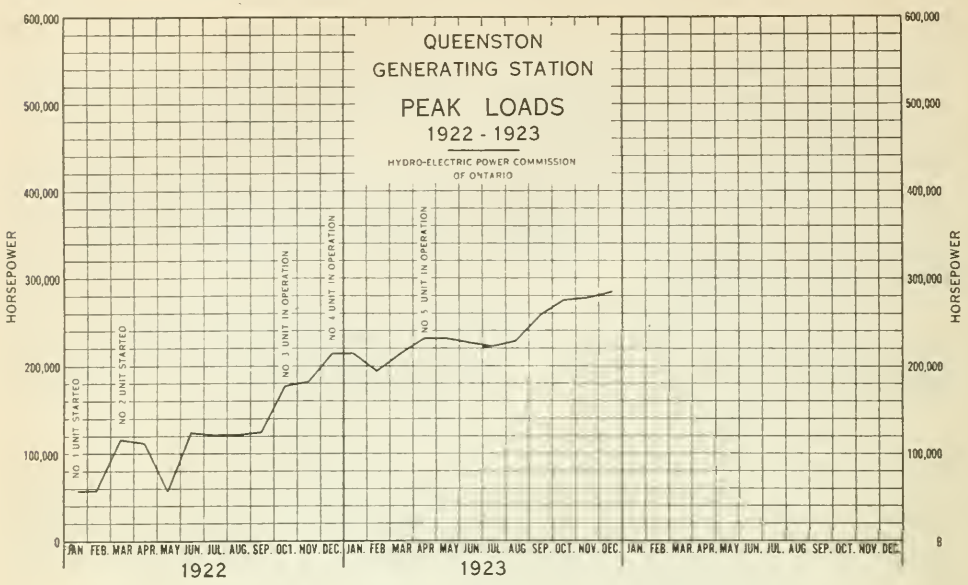
All water-circulating pumps on the system were overhauled. Inspection and maintenance was carried out on all station auxiliary equipment, including motor-generator sets, air compressors, oil pumps and filters.

QUEENSTON GENERATING STATION

Putting into operation units Nos. 4 and 5, of 60,000 horsepower each, constituted the most notable change in connection with the operation of the Queenston plant. This has been referred to in the previous section. In order to transmit the increased amount of power, additional transmission lines were constructed and brought into the plant. During the previous year the output of the three generators had to be transmitted over two lines only, and the full output of the plant could not be obtained without operating more generators in parallel than was considered advisable, due to the immense short circuit capacity involved. Since the completion of the five transmission lines it is possible to deliver the full output of the five generators to the 110,000-volt lines of the Niagara system.

The usual routine work necessary to maintain a plant in efficient operating condition has been carried out, and a trained operating and maintenance staff built up to take care of the large amount of equipment now in service. Guide bearings on units Nos. 1 and 2 were removed, relined and returned to service.

We are glad to be able to report that there were no fatal or serious accidents to employees of the Operating department at this station during the past year.



NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1921-1922-1923

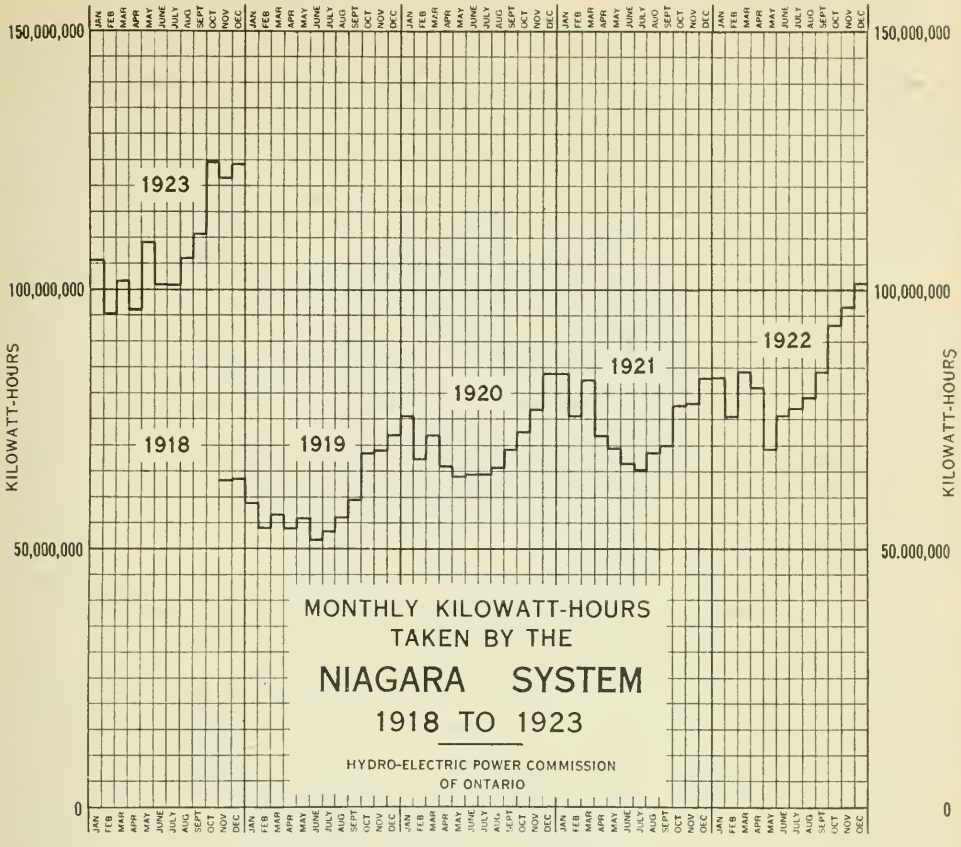
Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Acton	229.2	261.3	352.5	.....	91.2
Ailsa Craig	134.0	112.6	126.0	.....	13.4
Alvinston	.....	83.3	85.7	.....	2.4
Aylmer	194.3	217.7	253.3	.....	35.6
Ayr	71.0	84.4	91.0	.....	6.6
Baden	167.5	155.5	250.6	.....	95.1
Beachville	221.0	268.0	353.8	.....	85.8
Blenheim	156.8	202.4	174.0	28.4	.....
Bolton	132.7	122.7	134.9	.....	12.2
Bothwell	116.3	124.0	126.8	.....	4.6
Brampton	969.0	1,072.3	1,249.3	.....	177.0
Brantford	4,866.0	5,811.0	7,292.0	.....	1,481.0
Brigden	111.2	35.5	42.3	.....	6.8
Burford	53.6	58.7	68.6	.....	9.9
Burgessville	43.8	32.0	37.5	.....	5.5
Caledonia	106.4	118.0	147.6	.....	29.6
Chatham	2,240.0	3,056.3	3,053.6	2.7	.....
Chippawa Village	98.0	79.0	109.9	.....	30.9
Clinton	170.2	186.3	265.4	.....	79.1
Comber	102.4	99.0	102.9	.....	3.9
Dashwood	50.2	43.7	51.2	.....	7.5
Delaware	16.0	16.6	13.4	3.2	.....
Dereham Township	59.2	62.4	69.4	.....	7.0
Dixie	80.4	100.8	131.3	.....	30.5
Dorchester	30.5	21.4	24.2	.....	2.8
Drayton	59.7	56.3	67.0	.....	10.7
Dresden	196.3	177.0	202.4	.....	25.4
Drumbo	20.3	35.1	30.8	4.3	.....
Dublin	45.3	30.2	30.3	.....	0.1
Dundas	921.0	1,024.0	1,159.5	.....	135.5
Dunnville	282.8	348.5	363.2	.....	14.7
Dutton	111.2	115.2	130.6	.....	15.4

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1921-1922-1923—Continued

Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Elmira	240.0	415.5	425.0	.....	9.5
Elora	202.6	272.0	250.6	21.4	.....
Embro	60.3	63.5	60.0	3.5	.....
Essex County system	1,213.0	1,273.4	1,433.6	.....	160.2
Etobicoke Township	431.6	663.5	857.8	.....	194.3
Exeter	186.3	232.0	261.0	.....	29.0
Fergus	245.3	295.0	309.6	.....	14.6
Ford City	.....	977.6	1,407.5	.....	429.9
Forest	136.7	133.5	125.4	8.1	.....
Galt	3,485.2	4,222.5	4,906.0	.....	683.5
Georgetown	496.0	536.0	682.3	.....	146.3
Glencoe	74.5	79.8	82.5	.....	2.7
Goderich	439.6	510.7	654.1	.....	143.4
Grantham Township	35.9	46.3	103.2	.....	56.9
Granton	64.0	42.8	42.8	.....	.....
Guelph	4,249.3	4,689.0	5,328.4	.....	639.4
Hagersville	431.6	536.0	689.5	.....	153.5
Hamilton	16,837.4	21,542.0	23,447.0	.....	1,905.0
Harriston	193.0	171.5	196.5	.....	25.0
Hensall	49.3	60.7	56.7	4.0	.....
Hespeler	453.0	509.3	630.0	.....	120.7
Highgate	85.8	73.4	80.4	.....	7.0
Humberstone	56.0	55.0	76.0	.....	21.0
Ingersoll	911.5	1,323.0	1,457.0	.....	134.0
Kitchener	7,171.6	7,868.6	10,301.6	.....	2,433.0
Lambeth	26.2	42.9	50.5	.....	7.6
Listowel	482.5	394.0	429.0	.....	3.5
London	12,392.7	16,442.0	18,114.6	.....	1,672.6
Lucan	185.0	116.6	122.0	.....	5.4
Lynden	76.4	83.0	117.9	.....	34.9
Markham	61.0	83.6	114.4	.....	30.8
Merritton	217.0	273.4	375.3	.....	101.9
Milton	737.2	923.5	985.0	.....	61.5
Milverton	207.7	340.4	426.2	.....	85.8
Mimico	551.0	812.3	981.2	.....	168.9
Mimico Asylum	37.5	37.5	37.5	.....	.....
Mitchell	195.7	241.2	256.0	.....	14.8
Moorefield	49.6	47.5	34.2	13.3	.....
Montrose	6,434.3	2,237.0	2,509.3	.....	272.3
Mount Brydges	30.5	30.1	28.8	1.3	.....
Newbury	22.7	21.4	33.5	.....	12.1
New Hamburg	248.0	227.4	360.5	.....	83.1
New Toronto	1,356.5	1,863.3	1,984.0	.....	120.7
Niagara Falls	3,706.4	4,646.0	5,565 6	.....	919.6
Niagara-on-the-Lake	197.0	205.4	215.8	.....	10.4
Norwich	277.4	360.5	337.8	22.7	.....
Oil Springs	171.5	223.8	214.4	9.4	.....
Ontario Agricultural College	.....	221.0	248.0	.....	27.0
Ontario Central Reformatory	.....	191.0	209.1	.....	18.1
Otterville	39.4	44.2	49.5	.....	5.3
Palmerston	227.8	202.4	233.2	.....	30.8
Paris	703.7	904.8	1,008.0	.....	103.2
Parkhill	57.6	65.2	85.7	.....	20.5

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1921-1922-1923—Continued

Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Petersburg, St. Agatha	26.8	25.2	32.1	.....	6.9
Petrolia	449.0	536.0	768.0	.....	232.0
Plattsville	32.0	28.1	36.2	.....	8.1
Port Colborne	332.0	398.0	469.0	.....	71.0
Port Credit	138.0	186.3	207.7	.....	21.4
Port Dalhousie	143.4	152.8	182.3	.....	29.5
Port Dover	.....	73.7	114.0	.....	40.3
Port Robinson	314.0	314.0	299.0	15.0	.....
Port Stanley	193.0	144.7	147.4	.....	2.7
Preston	1,599.2	2,024.0	2,193.0	.....	169.0
Princeton	17.9	24.0	28.1	.....	4.1
Queenston	25.4	37.5	53.6	.....	16.1
Ridgetown	201.0	249.8	249.3	0.5	.....
Riverside	.....	163.5	281.5	.....	118.0
Rockwood	42.8	50.4	51.4	.....	1.0
Rodney	103.2	110.2	67.9	42.4	.....
St. Catharines	3,720.0	5,120.0	6,079.0	.....	959.0
St. Clair Beach	.....	23.8	49.6	.....	25.8
St. George	86.4	60.3	82.4	.....	22.1
St. Jacobs	75.0	32.0	42.8	.....	10.8
St. Thomas	2,658.0	3,025.4	3,748.0	.....	722.6
St. Marys	918.2	744.0	835.1	.....	91.1
Sarnia	3,022.7	3,526.0	4,278.8	.....	752.8
Seaforth	242.6	308.3	384.7	.....	76.4
Simcoe	336.4	403.3	542.8	.....	112.5
Springfield	16.0	24.7	26.8	.....	2.1
Stamford Township	465.0	761.3	748.0	13.3	.....
Stratford	2,372.6	3,760.0	4,825.7	.....	1,065.7
Strathroy	378.0	454.0	512.0	.....	58.0
Streetsville	246.6	329.7	563.0	.....	233.0
Tavistock	262 7	127 3	183.6	.....	56.3
Tecumseh	.....	80.0	95.0	.....	15.0
Thamesford	105.2	87.0	114.0	.....	27.0
Thamesville	83.0	79.0	85.7	.....	6.7
Thedford	.....	42.6	41.8	0.8	.....
Thorndale	107.7	66.8	45.5	21 3	.....
Tilbury	148.7	203.7	186.3	17.4	.....
Tillsonburg	325.7	368.3	504.6	.....	136 3
Toronto	68,573.7	87,600.5	109,411.5	.....	21,811.0
Toronto Township	284.7	405.0	524.0	.....	119.0
Walkerville	3,311.0	4,705.0	4,246.6	458.4	.....
Wallaceburg	486.5	864.6	765.9	98.7	.....
Wardsville	10.0	12.8	13.6	.....	0.8
Waterdown	110.8	112.0	164.8	.....	52.8
Waterford	143.4	187.6	182.3	5.3	.....
Waterloo	1,327 0	1,525.4	1,843.0	.....	317.6
Watford	67.9	96.0	85.7	10.3	.....
Welland	1,359.0	1,675.7	1,863.2	.....	187.5
Wellesley	124.6	127.3	142.0	.....	14.7
West Lorne	166.2	193.4	222.5	.....	28.2
Weston	899.4	1,402.0	1,785.4	.....	383.4
Windsor	6,266.7	9,001.3	13,652.5	.....	4,651.2
Woodbridge	182.3	165.0	214.4	.....	49.4
Woodstock	1,988.0	2,260.0	2,924.2	.....	664.2
Wyoming	40.2	39.4	42.8	.....	3.4
Zurich	77.8	84.3	72.3	12.0	.....



NIAGARA SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Increase in horsepower
		Initial	Oct., 1923	
Belle River	Dec. 5, 1922	60.3	53.6	.....
Merlin	Dec. 21, 1922	93.8	88.4	.....
Stouffville	Sept. 28, 1923	79.7	79.7	.....
Sutton	Aug. 25, 1923	53.6	53.6	.....

ONTARIO POWER COMPANY OF NIAGARA FALLS

The most important work in progress at the Ontario Power Company plant during the last year was the reconstruction of No. 15 unit, which had been totally destroyed in April, 1922. The generator was replaced by the Canadian General Electric Company, using such parts of No. 16 generator as were not damaged or for other reasons considered unsatisfactory for use in the new machine. The bedplate was moved complete from No. 16 position to No. 15, and secured in position by the Operating department. The turbine was entirely reconstructed. The gallery turbine case was badly wrecked at the time of the accident in 1922, and required the replacement of the top half complete. In this case the top half of No. 16 turbine was used. The transfer was made without the necessity of any machine work. The runners installed were new, having been formerly held as spares. All bearings were rebabbitted and any worn bushings in the gate operating mechanism were replaced. The governor was rebuilt with important changes in design and a rearrangement of the governor pressure system was proceeded with. This work was all nearing completion at the end of the current financial year, and it was expected that the unit would be available for the winter peak.

The reconstruction of the governor pressure system for Nos. 1, 2, and 3 turbines was completed and the new system placed in service. In making the extensive changes in piping necessary for the completion of this job, most of the equipment abandoned at No. 16 unit was used.

The remainder of the old winding in No. 5 generator was replaced, so that this unit, as well as generators No. 4 and No. 7, has been completely rewound since the Commission took over the plant.

The usual repairs to the auxiliary electrical equipment were carried out. Among other important jobs the commutators on three exciters were replaced.

To comply with long standing agreements with the Queen Victoria Niagara Falls Park Commission the overhead telephone and power line to the forebay was dismantled and replaced by underground cables. The power cable was run back to the Toronto Power Company plant for a source of power since this was much closer than the Ontario Power Company distributing station, and enabled a large saving to be made in the cost of these changes.

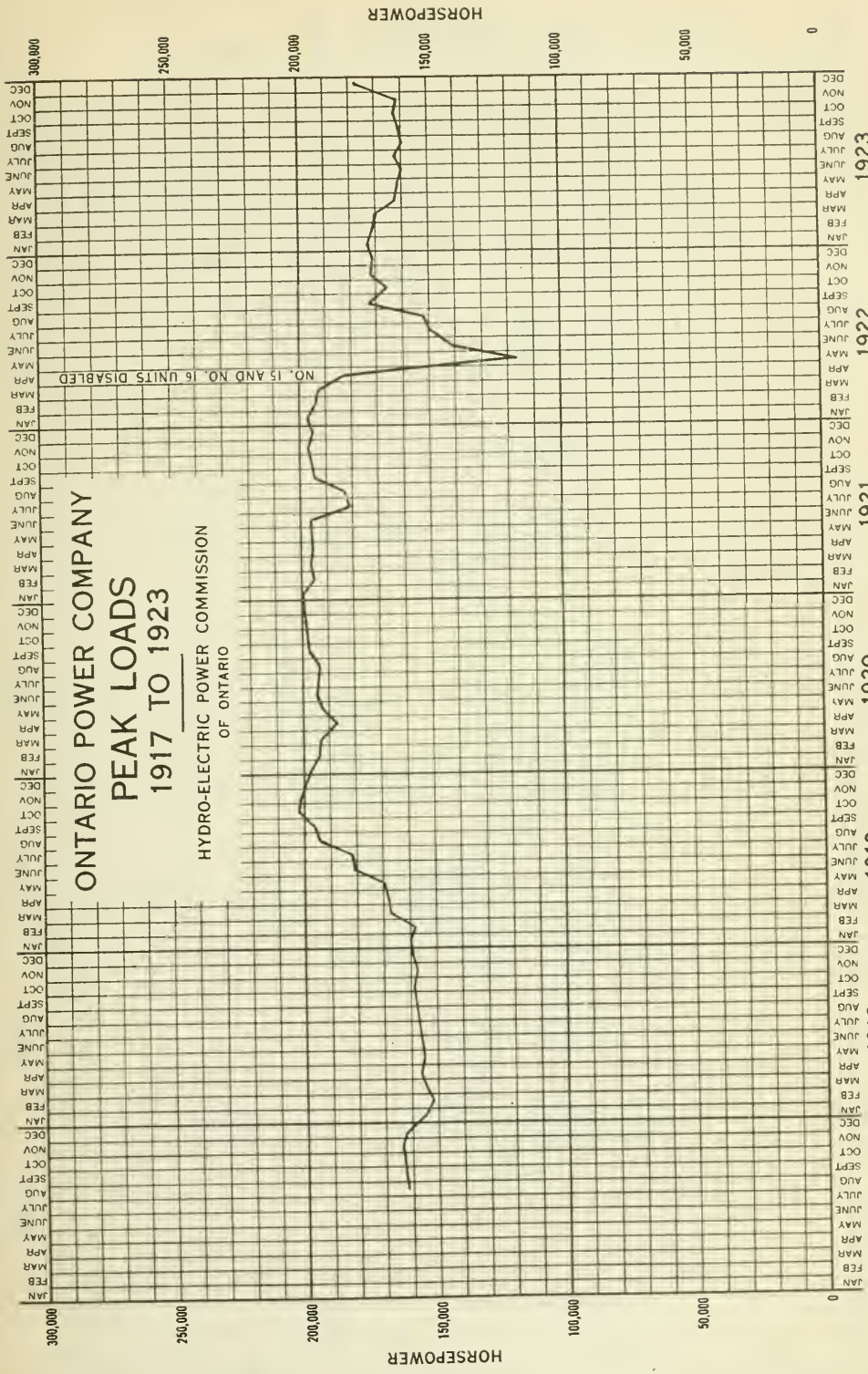
An automatic telephone system has been installed between all parts of the Ontario Power Company and the Toronto Power Company plants. This system will be extended to Queenston generating station in the near future.

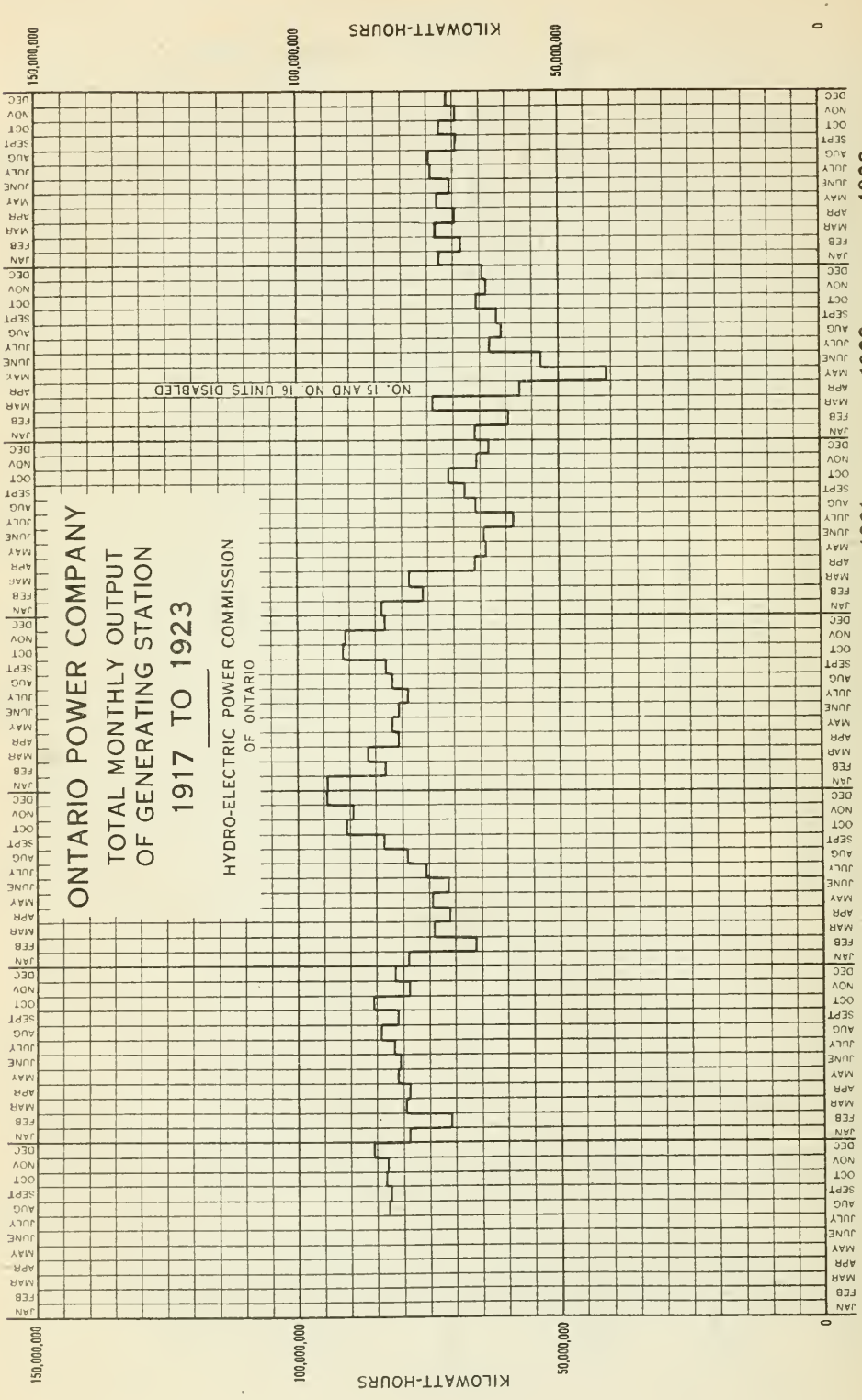
The lighting in the gate and screen houses at the forebay was changed from 220 volts to 110 volts, thus making possible the use of standard lamps at lower cost for replacements, and at the same time improving the lighting by use of modern high-efficiency lamps.

Important rearrangements of the station busses were made to accommodate the changed load conditions resulting from the interconnection with Queenston station.

The installation of three 50-kv-a. transformers at Port Colborne substation to take care of the growth of the Port Colborne municipal load was the only noteworthy change at any of the substations. This work was carried out in a temporary fashion since the entire Port Colborne station will have to be relocated in the spring of 1924, the station site being in the path of the new Welland Canal.

There were no serious accidents to any of the employees during the past year.


ONTARIO POWER COMPANY
PEAK LOADS
1917 TO 1923
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
NO. 15 AND NO. 16 UNITS DISABLED
HORSEPOWER
300,000
250,000
200,000
150,000
100,000
50,000
0
1917
1918
1919
1920
1921
1922
1923
JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC


ONTARIO POWER COMPANY
TOTAL MONTHLY OUTPUT
OF GENERATING STATION
1917 TO 1923
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
NO. 15 AND NO. 16 UNITS DISABLED
KILOWATT-HOURS
150,000,000
100,000,000
50,000,000
0
1917
1918
1919
1920
1921
1922
1923

TORONTO POWER COMPANY SYSTEM

During the past year work has been carried on actively in the generating plant at the Falls, bringing up the standard of maintenance to that of the Commission's other plants.

The arc-lighting system throughout the plant, which had become obsolete, was replaced by high-efficiency incandescent lamps of suitable type with a marked improvement in the station lighting, as well as making a material saving in the cost of maintaining the lights, which formerly had to be trimmed daily.

Nos. 9 and 11 generators were partially rewound, following breakdowns on load. Differential relays were installed in these units so that trouble may be more quickly controlled in future, and similar relay equipment is being made up for all the other machines.

New reactance coils were installed for No. 7 generator, the original coils having been destroyed by a short circuit before the Commission took over the operation of the plant.

The runners in No. 8 turbine were replaced by spares, the old runners being badly eroded. The upper distributor in this turbine was also replaced and the unit in general thoroughly overhauled. The damaged parts will be repaired by the electric-welding process after which they will be available as spares for future replacements.

A new valve was installed in the auxiliary penstock intake to replace a flap valve which was wrecked by ice. The new valve has been designed to overcome the difficulties arising from the exposed location of the old valve and is positive and reliable in operation.

All of the permanent buildings were painted outside and as much painting inside was completed as was possible. The standpipe at the transforming station was painted outside and will be cleaned and painted inside during the coming year.

The railway sidings at the generating and transforming stations were rebuilt and the approval of the Queen Victoria Niagara Falls Park Commission obtained for the permanent location of the generating station siding in the park. The trolley poles on this siding were replaced by ornamental steel poles.

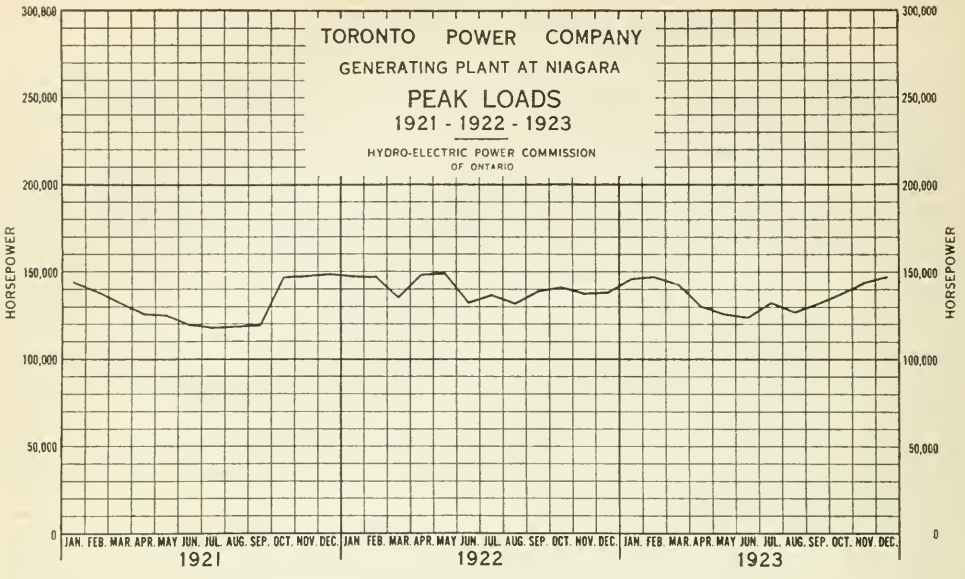
The failure of No. 3 transformer in No. 4 60,000-volt bank at the transformer station made it necessary to completely rebuild and reinsulate this transformer.

A standby water service was installed between the Canadian Niagara Power Company's water system and the Toronto Power Company's pipes so that in case of failure of either company's source of supply, the facilities of the other company would be available. Each company owns the connection on its own property, but the pipe under the Michigan Central Railway track was installed by and is the property of the Toronto Power Company.

The ordinary current repairs and inspection of all operating equipment were made as usual. This work, while absolutely essential, covers such a vast amount of detail that it is impossible to do more than refer to it in passing.

There were no serious accidents to employees at this plant during the past year.

The operation of the Toronto Power Company transmission lines from Niagara to Toronto has been attended with success, very few interruptions to service having taken place during the year. The lines were constantly



patrolled and the usual maintenance work carried out to insure reliable and continuous transmission of power. As the transmission line runs direct from the generating station at Niagara to the transformer station at Toronto, with no branches or intervening stations, the operation of these lines is comparatively simple, and there were no alterations or work of a special nature to report.

The installation of the radio telephone sets mentioned in last year's Annual Report has been completed. There are now wireless transmitting and receiving sets at the Davenport station at Toronto and the Electrical Development Company plant at Niagara, with similar sets at Port Credit, Burlington and Twenty-Mile Creek, these being switching stations on the line between Niagara and Toronto. By the use of these sets it is possible to transmit messages and operating instructions between Toronto and Niagara Falls or the switching stations mentioned. These sets are provided and held as a standby for emergency communication, in case of trouble with the regular telephone lines.

At the terminal station on Davenport road, Toronto, the usual routine work has been carried out to maintain the equipment in good condition, but there have been no important alterations in equipment or changes in operating conditions.

The steam plant at the foot of Scott street, Toronto, has been kept available as a standby for emergencies, in connection with the Toronto Power Company system or the Niagara system. Steam is generated throughout the year for the heating of the new Union Railway station under contract, the steam being transmitted to the station through underground pipes. Owing to the number of lines now in service between Niagara and Toronto, with the resulting extreme rarity of interruptions to the supply, the steam plant has not been called into service to carry load except for a few days in February, at which time severe weather and ice trouble at Niagara reduced the amount of power available. At this time the plant carried over 10,000 horsepower at peak, relieving the situation to that extent, although the total power output for the year was only 59,140 kilowatt-hours.

COMBINED NORTHERN SYSTEMS

The chief problem in the operation of the Eugenia, Severn and Wasdells systems, during the past year, has been to meet the demand for power. It has been necessary to keep all generating equipment constantly ready for service and yet to carry out any necessary repairs and maintenance work so that the plants would be kept in efficient condition and able to supply the maximum amount of power with the equipment and water available.

The necessity of working near live wires in order to maintain continuous service, when all equipment is required to meet the demand, calls for great care in the performance of the work, as well as for a thorough knowledge of the plant and its apparatus. Therefore it is impossible to employ inexperienced men temporarily to assist on such work, and the operating and maintenance men on the regular staff are obliged to work under increasing difficulties. In spite of such difficulties, however, all apparatus and lines have been maintained during the past year in efficient condition and with very few interruptions to service.

During the year the demand for power has equalled or exceeded the high loads of last year. The average load shows a growth of 14 per cent over the preceding year, and the maximum demand of the Eugenia, Severn and Wasdells system municipalities has been greater than the generating capacity of the power houses on their respective systems. Due to the interconnection of the Wasdells, Severn and Eugenia systems, and to the purchase of power from the plant of the Orillia Commission, it has been possible to transfer power when not required on one system to meet the heavier demand on another, so that it has not been necessary to curtail the supply as would have been the case had the systems been kept separate or had all the municipalities made their heaviest demands at the same time.

The demand for power during the winter months of 1922–23 was the heaviest in the history of the systems. This load taxed to the limit the available generating capacity of the Commission's plants, and also required all power available for purchase. The surplus power of the Orillia Water, Light and Power Commission was purchased, and arrangements were made with the Wingham Utilities Commission for the operation of its hydro-electric plant in parallel with the Engenia system. The heavy load required the maintenance of a good flow in the Severn river, which comes under the regulation of the Department of Railways and Canals. The officials of the Department in charge of this section of the canal did everything possible to co-operate with the Commission and avert a power shortage, and maintained as high a flow in the river as was possible under the circumstances. The flow required to meet the heavy load, combined with the lack of fall rain, and with a cold winter during which no thaws occurred, drew down the level of lakes Couchiching and Simcoe considerably below normal. The Commission also was obliged, in order to meet the demands, to lower the level of the storage basin at the Eugenia plant to the lowest point on record. By these means it was possible to get through the winter months without curtailing the supply of power to any municipality, until the spring thaws relieved the situation. When the spring freshet occurred, it was easily possible to restore the levels on lakes Simcoe and Couchiching and to fill up the Eugenia storage basin.

During the latter part of this summer, the demand for power on the northern systems has again pressed closely on the capacity available. Apart from the

limit on power output, imposed by the capacity of the generating equipment installed in the three plants, a further limit was placed by shortage of stream flow. The precipitation was much below normal during the summer months from July to October, with the natural result that the levels fell in the tributary lakes and the flow in the rivers dwindled. The engineers of the Department of Railways and Canals again co-operated with the Commission, and increased the flow in the Severn river by drawing upon storage in lakes Couchiching and Simcoe, so that at the end of the summer months these were again somewhat below normal. Engineers from the Commission, with the engineer of the Orillia Commission, and the divisional engineer for the Trent Valley Canal, explored the storage of tributary lakes, and arrangements were made whereby some additional water up the Black river, controlled by a lumber company's dam, was released, augmenting the flow in the Severn river by that amount.

Surplus power of the Orillia Water, Light and Power Commission was purchased in order to utilize all the water passing its plant at the Swift rapids, and the Commission's own plant at Wasdells Falls was operated to the full amount permitted by the stream flow, any surplus over the requirements of the Wasdells system being fed to the Severn and Eugenia system to conserve water there.

Foreseeing the possibility of a shortage in the power supply on the northern systems, the Commission's engineers had made plans for the extension of a line from Harriston on the Niagara system to Mount Forest on the Eugenia system. Due to the frequency of the current on the Niagara system being 25 cycles and on the Eugenia system 60 cycles, it was necessary to install a frequency changer set to convert the current. A frequency changer set of 1,150-kv-a. capacity, formerly in service at Cooksville high-tension station, was transferred to Mount Forest. This work was pushed forward as rapidly as possible in order to relieve the situation on the Combined Northern systems, and the new station at Mount Forest was put into service during the first week of October. This frequency changer set has been delivering approximately 1,000 horsepower from the Niagara system to the northern systems, thus aiding the generating plants at Eugenia, Big Chute, and Wasdells falls to meet the demand for power, and being operated near full capacity at all times, even during off-peak hours when the generating stations could carry the load without assistance, it has enabled them to conserve water for use at times when needed.

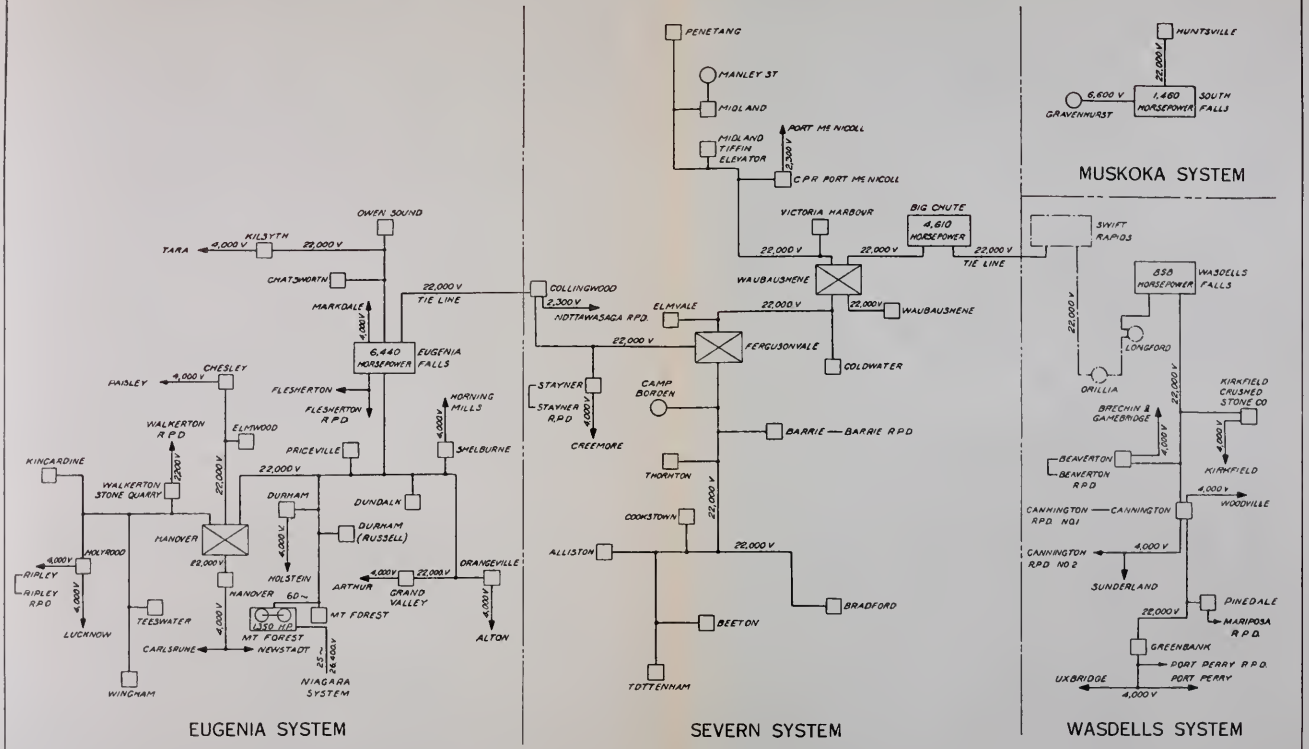
Thanks to the various measures taken, it has not been necessary to curtail the supply of power to any of the municipalities on the Combined Northern systems. Mild autumn weather with rain has relieved the situation in regard to the water supply so that at the time of writing this report there does not appear to be any imminent danger of a shortage of power during the coming winter.

Aside from the problem of meeting the increased demand for power with the plant and water available, the year's operation has been uneventful and on the whole very satisfactory.

SEVERN SYSTEM

There were no marked changes in operating conditions on the Severn system during the past year, the usual routine repairs being carried out to keep stations and lines in good condition.

The No. 2 circuit between Waubaushene and Big Chute was rebuilt by the Operating Department staff during the summer months, due to the excessive



SEVERN EUGENIA, WASDELLS AND MUSKOKA SYSTEMS

(60 CYCLES)

DIAGRAM OF STATIONS

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HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

insulator-pin and cross-arm troubles which had been experienced. These parts had served their useful life and were removed from service and replaced by new material. At the same time certain changes were made with a view to strengthening the line and reducing the maintenance cost.

On the older sections of the high-tension line, the insulators and pins were inspected, and all defective insulators and pins discovered were replaced.

Insulators of an obsolete design on some of the horn-gap, air-break switches were all replaced by new insulators of improved design, and at the same time the switches were overhauled in a general way.

The marine railway feeder out of the Big Chute plant was changed from 550 volts to 2,200 volts, to accommodate certain extensions to the marine railway made by the Department of Railways and Canals.

The transformer capacity at Penetang was increased by removing the three 200-kw., indoor-type transformers, and installing three 300-kv-a., outdoor-type transformers. This required certain changes in the low-tension and high-tension bus structures.

In August initial service was given to the Stayner rural power district, feeding Wassaga Beach. This district is supplied from the Stayner distributing system through a metering station located at Stayner.

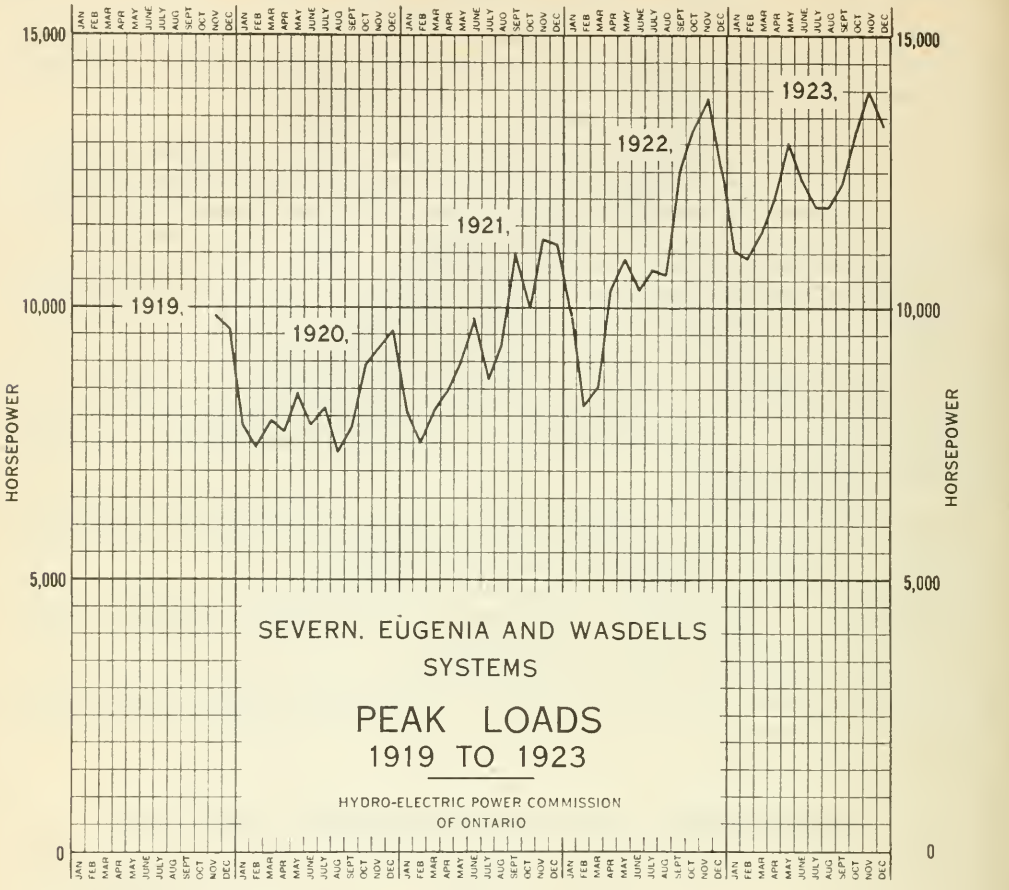
Initial service was given to the Barrie rural power district, feeding Shanty Bay district, on August 23. This district is fed through a metering station at Barrie from the Barrie distributing system.

The transformer capacity of the Coldwater station was increased in July by removing from service three 25-kv-a. transformers, and installing three 40-kv-a. transformers.

SEVERN SYSTEM—LOADS OF MUNICIPALITIES, 1921-1922-1923

Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Alliston	143.0	119.0	135.0	.....	16.0
Barrie	828.4	1,057.6	1,315.6	.....	258.0
Beeton	86.4	89.6	97.8	.....	8.2
Bradford	69.4	70.6	87.6	.....	17.0
Camp Borden	234.5	234.5	214.4	20.1	.....
Coldwater	56.3	108.5	84.4	24.1	.....
Collingwood	811.0	1,161.0	1,239.2	.....	78.2
Cookstown	75.0	36.0	39.9	.....	3.9
Creemore	45.8	56.3	57.6	.....	1.3
Elmvale	124.6	136.7	143.0	.....	6.3
Midland	1,108.5	1,583.0	1,605.9	.....	22.9
Penetang	504.0	811.0	471.8	339.2	.....
Port McNicoll	44.7	49.5	57.6	.....	8.1
Stayner	120.6	112.6	108.5	4.1	.....
Thornton	14.3	14.0	16.3	.....	2.3
Tottenham	38.2	35.3	40.8*	.....	5.3
Victoria Harbor	46.0	47.0	52.0	.....	5.0
Waubaushene	24.0	26.5	33.5	.....	7.0

* Estimated.



EUGENIA SYSTEM

Aside from the problem of meeting the demand for power, which was common on all three of the Combined Northern systems, a new problem in the operation of the Eugenia system was presented when the frequency changer station at Mount Forest was put into operation. Owing to the amount of generating capacity on the Niagara system, the frequency on the 25-cycle end of the frequency changer set was not affected by any changes in load on the northern systems. Therefore the frequency on the 60-cycle or Eugenia side of the frequency changer set was absolutely fixed. Sudden variations in the load on the Eugenia system, and regulation of the load on the frequency changer set; had to be taken care of by adjustments at the Eugenia generating station. This called for some changes in the system of operating the generators and lines at the Eugenia plant, but the difficulties have been largely overcome and good regulation is now being obtained considering the fluctuating type of load thrown on some of the lines. The load on the frequency changer set has been regulated to a high load factor, materially helping to meet power demands on the Eugenia system, and to conserve water in the Eugenia storage basin.

At the Eugenia plant the No. 2 turbine was overhauled and rebuilt to an improved design, the same as was done with No. 1 turbine last year. The change since the turbine has been put back into service has proven very satisfactory, the consumption of water being less for the same power output.

Considerable maintenance work was carried out at this plant on the turbine governors, Johnston hydraulic valves, woodstave pipe line, etc., and the plant generally kept in a condition of high efficiency.

The work of storm-guying and reinforcing the pole structures at railway crossings, which was commenced last year, has been carried through to completion.

Road work on county and provincial highways has interfered to a considerable extent with the Commission's lines, and it has been necessary to keep a line gang busy all summer moving or repairing lines at points affected. In some sections work has been completed, but in other places considerable work yet remains to be done.

In August, 1923, a supply of power was given to Paisley over a 4,000-volt line built from Chesley station.

The distribution system of the village of Eugenia Falls was reconstructed and put in good operating condition. This forms part of the Flesherton rural power district.

EUGENIA SYSTEM—LOADS OF MUNICIPALITIES, 1921-1922-1923

Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Arthur	121.0	100.5	109.2	.....	8.7
Carlsruhe and Neustadt	170.2	167.5	221.1	.....	53.6
Chatsworth	24.0	52.8	28.9	23.9	.....
Chesley	263.2	268.8	293.0	.....	24.2
Dundalk	87.0	109.3	128.6	.....	19.3
Durham	512.0	573.7	474.0	99.7	.....
Elmwood	45.5	29.6	36.9	.....	7.3
Flesherton	47.5	36.2	54.7	.....	18.5
Grand Valley	65.0	65.0	70.5	.....	5.5
Hanover	1,441.0	1,675.7	1,579.0	96.7	.....
Holstein	9.6	8.0	10.4	.....	2.4
Horning's Mills	5.0	5.0	5.0	.....	.....
Kincardine	114.0	179.6	227.8	.....	48.2
Lucknow	85.7	87.0	81.7	5.3	.....
Markdale	88.4	92.4	112.6	.....	20.2
Mount Forest	156.4	205.8	170.2	35.6	.....
Orangeville	167.5	194.6	244.4	.....	49.8
Owen Sound	1,402.0	1,691.7	1,731.9	.....	40.2
Priceville	10.7	10.4	10.0	0.4	.....
Ripley	49.5	77.7	39.6	38.1	.....
Shelburne	136.7	147.4	148.7	.....	1.3
Tara	53.6	42.8	46.2	.....	3.4
Teeswater	102.1	67.6	132.7	.....	65.1
Wingham	382.0	297.5	380.7	.....	83.2

EUGENIA SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Increase in horsepower
		Initial	Oct., 1923	
Paisley	Aug. 1922	57.0	56.3	.....

WASDELLS SYSTEM

Extensive maintenance work was carried out at the Wasdells plant during the year to keep equipment in proper repair and increase efficiency. Both turbines were completely overhauled and adjusted. A larger capacity pump and pipe connections were installed for unwatering the turbine pits.

In November, 1922, a new shaft of stronger design, and an improved thrust bearing, were installed in No. 1 generator, which had been operating for some-time with a repaired shaft.

The generating plant at Wasdells falls was operated at full capacity throughout the year, a limit on output being imposed by water conditions. There was some increase in the power demands of the municipalities on the Wasdells system which at times required the full output of this plant, but all surplus available was transmitted to the Severn and Eugenia systems to assist in relieving overload conditions there.

At Pinedale an outdoor-type transformer station was placed in service on September 7, supplying power to the Mariposa rural power district.

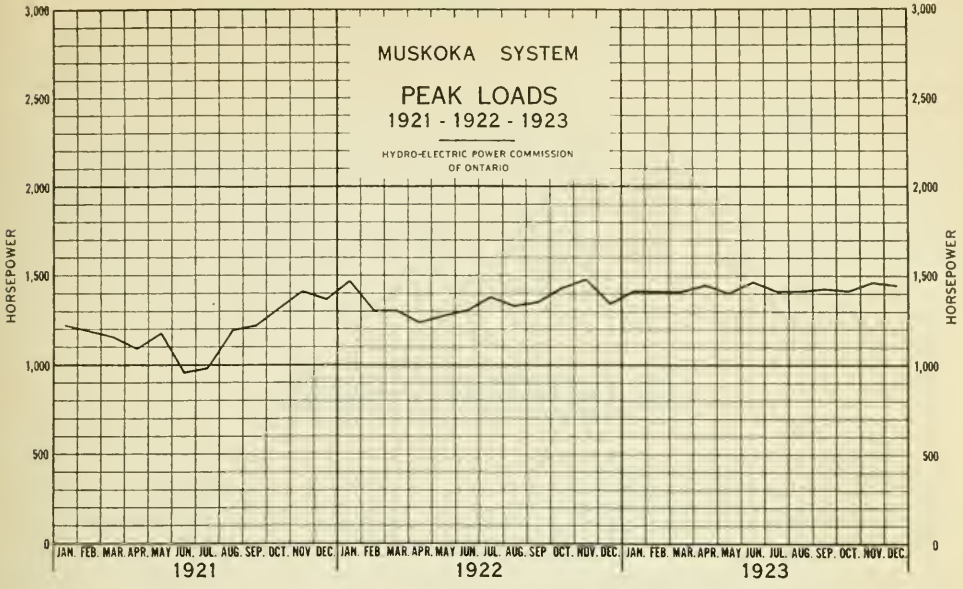
The Victoria Road metering station was placed in service on February 22, to measure power supplied to the Victoria Road Mutual Electric Association over its 4,000-volt line between Kirkfield substation and the hamlet of Victoria Road.

WASDELLS SYSTEM—LOADS OF MUNICIPALITIES, 1921-1922-1923

Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Beaverton	103.2	119.9	132.7	.....	12.8
Brechin	58.4	53.6	50.9	2.7	.....
Cannington	72.3	92.5	93.8	.....	1.3
Kirkfield	17.4	32.7	26.8	5.9	.....
Port Perry	.....	80.4	91.0	.....	10.6
Sunderland	67.0	60.3	56.3	4.0	.....
Uxbridge	.....	88.4	83.0	5.4	.....
Woodville	80.4	61.0	57.6	3.4	.....

WASDELLS SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Increase in horse-power
		Intial	Oct., 1923	
Victoria Road	Feb. 1, 1923	15.0	13.6	.....



MUSKOKA SYSTEM

No marked changes were made in operating conditions on the Muskoka system during the past fiscal year. The usual routine work was carried out on lines and equipment to keep same in proper condition. No extensive repairs or alterations at the generating station are possible as the demand for power equals the total capacity of the plant.

The demand for power on the Muskoka system has continued to increase, and the peak load for the past fiscal year is slightly higher than for the previous year, 1,480 horsepower in November, as compared with 1,464 horsepower, the peak for the previous year. However, as the normal operating capacity of this plant is only 1,400 horsepower, with little margin for overload, it is not possible for much change to occur in the maximum load. By referring to the load curve given in this report, showing the demand each month for the past three years, it will be noted that the plant has been overloaded every month throughout the last year, even the summer months not showing the drop in load that is usual on practically all systems.

From the above figures for load conditions, it will be evident how difficult it was for the operating staff to take any equipment out of service for repairs, but advantage has been taken of short intervals during which the demand for power was low, and such work carried out as was possible with the time available. Equipment has been kept in fair condition, and very few interruptions to service have occurred during the year.

A signal circuit was installed between the gate house and the generating station at South falls with automatic equipment to warn the operators should water in the forebay rise too high, a condition that has to be guarded against at this plant.

The long spans in the 22,000-volt transmission line adjacent to the power house, and two river crossings, were strengthened by the installation of strain equipment on the supporting structures.

MUSKOKA SYSTEM—LOADS OF MUNICIPALITIES, 1921 TO 1923

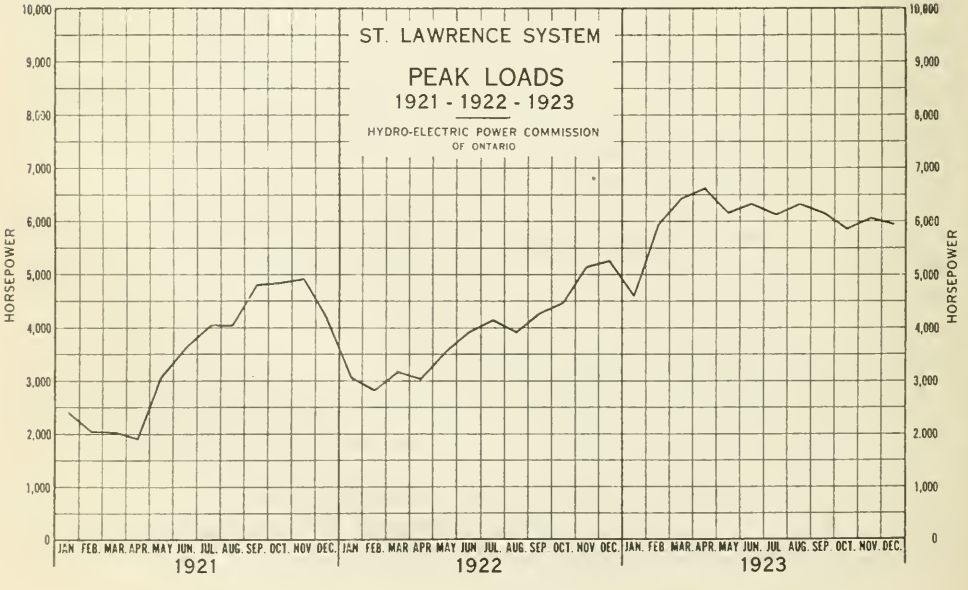
Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Gravenhurst	341.8	384.7	544.2	.....	159.5
Huntsville	872.6	921.0	896.7	24.3	.....

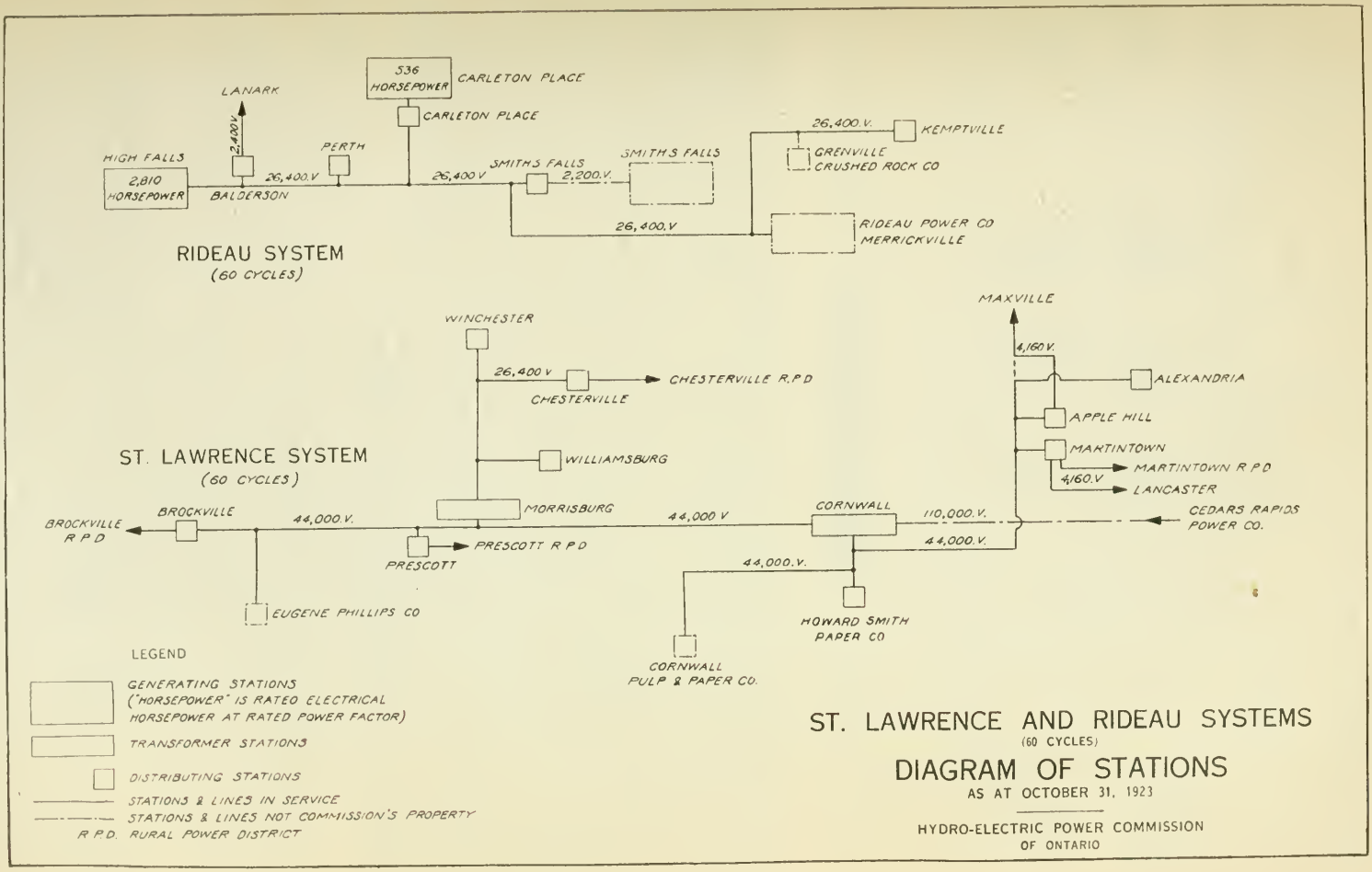
ST. LAWRENCE SYSTEM

Operating conditions generally on the St. Lawrence system have been satisfactory. No change has occurred in conditions as outlined in previous report, and no incident worthy of mention has occurred. During the latter part of the year the regulation of the voltage and frequency of the power purchased for the system was not up the usual standard, but apparently the causes have been remedied and the Commission has been assured that similar conditions will not occur again.

The operation of the transmission lines at 44,000 volts has been satisfactory, and no trouble has resulted from the fact that the neutral of the Y-connected, 110,000-volt, power transformers at Cornwall could not be solidly grounded.

Extensive pole movements for the Department of Public Highways have been necessary, chiefly between Prescott and Cardinal, between Iroquois and Morrisburg, and in the neighbourhood of Cornwall.





ST. LAWRENCE AND RIDEAU SYSTEMS

(60 CYCLES)

DIAGRAM OF STATIONS

AS AT OCTOBER 31, 1923

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

ST. LAWRENCE SYSTEM—LOADS OF MUNICIPALITIES, 1921-1922-1923

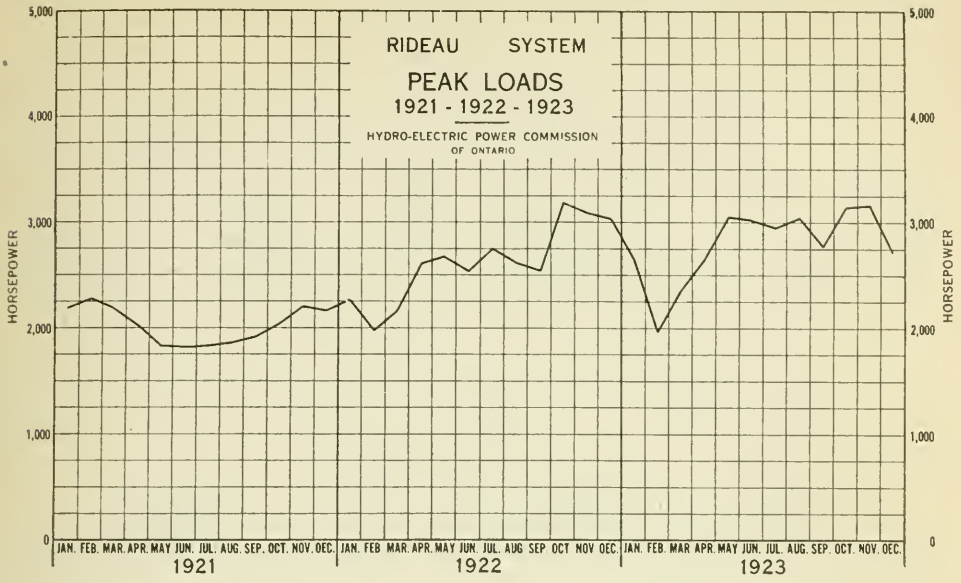
Municipality	Peak load in horsepower			Change in load 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Alexandria	136.2	183.0	187.6	.....	4.6
Apple Hill	18.7	24.0	21.4	2.6	.....
Brockville	1,038.8	1,233.2	1,277.6	.....	44.4
Chesterville	132.0	124.7	170.2	.....	45.5
Lancaster	22.7	24.0	26.8	.....	2.8
Martintown	11.6	12.4	13.6	.....	1.2
Maxville	34.8	34.8	58.9	.....	24.1
Prescott	223.8	147.4	264.0	.....	116.6
Williamsburg	13.4	18.0	22.0	.....	4.0
Winchester	90.4	110.0	102.0	8.0	.....

RIDEAU SYSTEM

The spring of 1923 was a critical one in the operation of the Rideau system. The storage reserve of the Rideau system had suffered somewhat through the loss of the Mazinaw Lake dam, which went out in April, 1922. 1922 was a very bad water year for the Mississippi River watershed, and in spite of the fact that the Carleton Place plant was put into operation in the fall, it became evident early in 1923 that auxiliary power would have to be developed to avoid a shortage. Arrangements were accordingly made with Smith Falls, under which the Commission overhauled the municipal steam plant, and at its own expense operated it during the greater part of February and the early part of March. This critical situation was further aggravated by the failure of the Rideau Power Company to deliver any power whatever for over a month. Although the spring break-up was late, power interruptions were avoided by the operation of the steam plant at Smith Falls, from which approximately 200 kilowatts were obtained continuously, and by requesting the municipalities not only to exercise economy in the use of power, but also to transfer to local steam plants such local load as could be transferred.

As a result of the increasing load on the Rideau system, and the threatened water shortage just mentioned, the Commission has given very serious attention to storage facilities on the Mississippi river, all of which at the present time are owned and operated by the Mississippi River Improvement Company. Negotiations, with a view to making arrangements for the development of additional storage, in a manner which will safeguard the interests of the Commission, have been under way with this Company.

The Company has decided to construct a new concrete dam at Cross lake, which, under the present plans, will require several years to complete. To provide for the water requirements until the spring of 1924, work has already been started on the side dam which forms a part of this work, the sluiceway of which will be much lower than that of the present dam, and when the upstream channel has been deepened by a reasonable amount of excavating, will permit of an additional draft on the lake of five or six feet. This side dam



will be completed before 1924, and if additional water is required, some of the excavating will be done so as to release water for use during January and February, 1924.

The reconstruction of the old dam at Cross lake comes under the scope of the Company's present charter, but the replacement of the dam at Mazinaw lake would require an extension of charter. The Commission and the Company are agreed that this dam should be replaced by a permanent structure which will hold the water in a more efficient manner, and arrangements between the Company and the Commission to permit of the necessary extension of charter are under consideration. In the meantime, the requirements of the approaching winter are fairly well provided for by the construction last spring of a temporary dam at the Mazinaw, which has functioned very well, and which, if necessary, can be reconstructed next year. The Company has also carried out certain excavating work at the narrows between the upper and lower Mazinaw, which will permit an additional storage draft on the upper section of the lake.

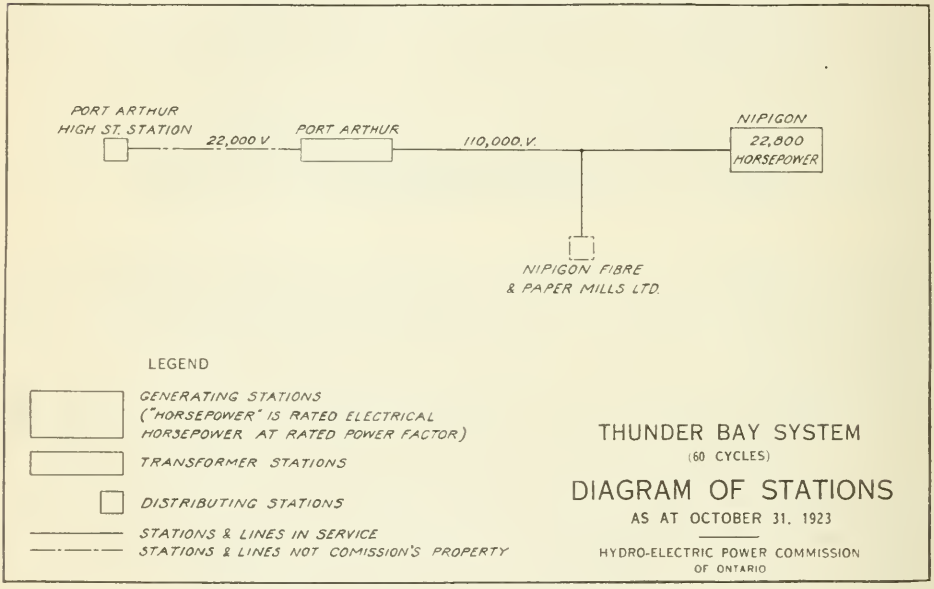
To further guard against the possibility of a water shortage, and also to provide additional peak capacity for the system, the old hydraulic equipment in the Carleton Place generating station has been thoroughly overhauled and put into shape satisfactory for continuous operation.

With the increasing system load, frequency and voltage regulation have required attention. The mechanical governor on No. 2 unit at High falls is to be replaced by a thoroughly overhauled Lombard oil-pressure governor from the construction station at Nipigon, and accessory equipment, enabling all the governors in the station to be controlled from the switchboard, has been obtained. All this equipment is now on hand awaiting installation.

On the whole it seems quite safe to state that the system is prepared to meet any demands which may fall upon it during the coming year.

RIDEAU SYSTEM—LOADS OF MUNICIPALITIES, 1921-1922-1923

Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Carleton Place	769.4	800.2	832.4	.....	32.2
Kemptville	.....	128.7	93.8	34.9	.....
Lanark	38.8	35.5	33.5	2.0	.....
Perth	522.7	474.5	516.0	.....	41.5
Smith Falls	713.0	785.5	975.8	.....	190.3

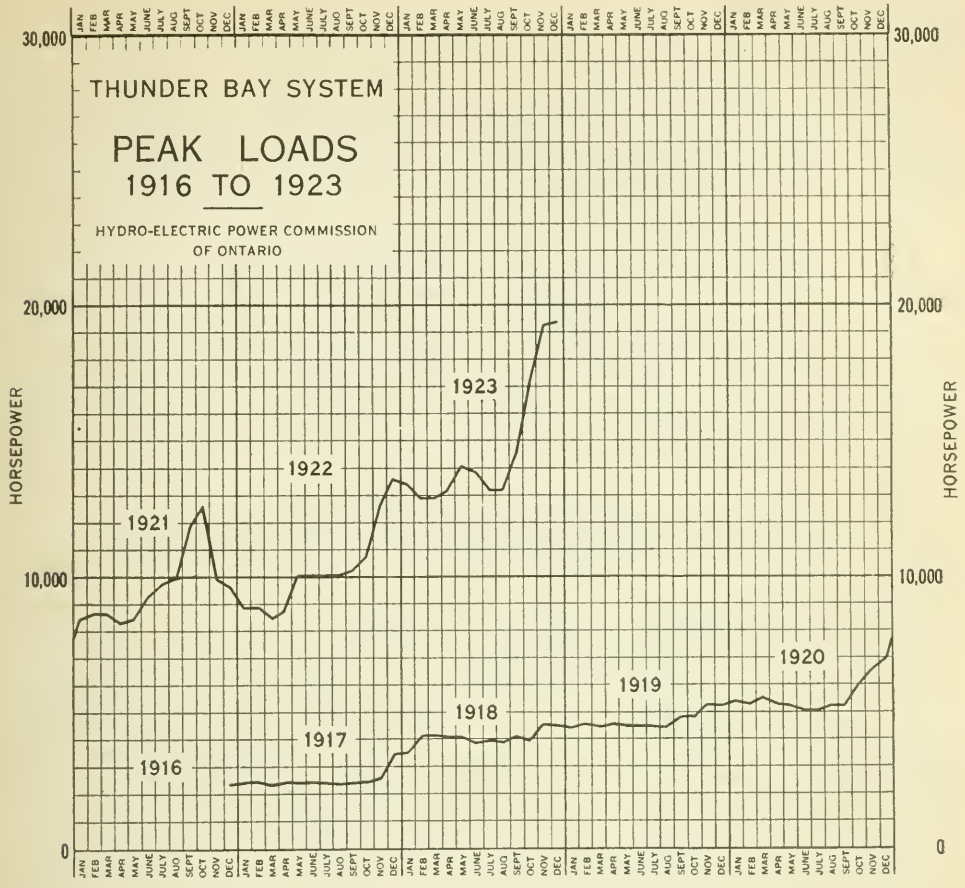


THUNDER BAY SYSTEM

The Cameron Falls generating station has now completed its third year of operation with a steadily increasing load, but no radical changes in operating conditions have taken place on the Thunder Bay system during the past year.

The regular increase in the load on this system has continued until the load on the plant requires practically full output capacity of both generating units, and the load factor on the system is so high that during the latter part of the fiscal year it has been found difficult to obtain a shut-down on a machine for even a few hours on Sunday for cleaning purposes or minor repairs. The necessity for additional generating equipment in the near future is readily apparent, and there will be load waiting for the machines now in the course of construction.

Beyond some slight troubles with the bushings and operating mechanisms of the high-tension oil-breakers, all equipment at the generating station came



through the year in good condition. These troubles resulted in system interruptions, but it is believed that we are now rid of any parts possessing similar weaknesses. All auxiliary equipment was kept in first-class operating condition.

The transmission line has given excellent service during the past year. Due to the prolonged dry spell early this year, when forest fires were raging in this district, some apprehension was felt that the line might be damaged by fire, but all near-by fires were kept under close supervision and, with the assistance in some cases of railway fire fighters, were kept in control. Only one pole was damaged by fire, and as the damages to it were slight, repairs were readily effected. A considerable amount of brush cutting has been found necessary along this line, to keep the undergrowth from extending into the line.

The receiving station at Bare Point has operated fairly satisfactorily, but has been responsible for a couple of short interruptions to service, due to the failure of a line entrance bushing at one time, and to the failure of a bushing on the high-tension breaker at another time. The low-tension breaker equipment has functioned satisfactorily in relieving the system of feeder trouble. The transformer bank at this station has now been loaded well beyond the manufacturers' original rating for these units, but the temperatures have been held at a reasonable value.

The substation at High and VanNorman streets has had no trouble whatever during the past year. The low-voltage (2,300-volt) load in the city of Port Arthur has increased until it has become necessary to use both transformer banks in this station almost continuously during the winter months.

The increase in load on this system, as shown by the curve given elsewhere in this report, indicates a most remarkable and encouraging growth in the amount of power utilized in this district.

OTTAWA SYSTEM

During 1923 the Ottawa system has maintained its customary increase in load. From an operating point of view general conditions have been entirely satisfactory. No outstanding incidents of sufficient interest to warrant inclusion in this Report have occurred.

CENTRAL ONTARIO AND TRENT SYSTEM

While the Central Ontario and Trent system has completed a very satisfactory, even gratifying, year, with respect to load conditions and service, yet it has been marked by very little in the way of outstanding operating incidents.

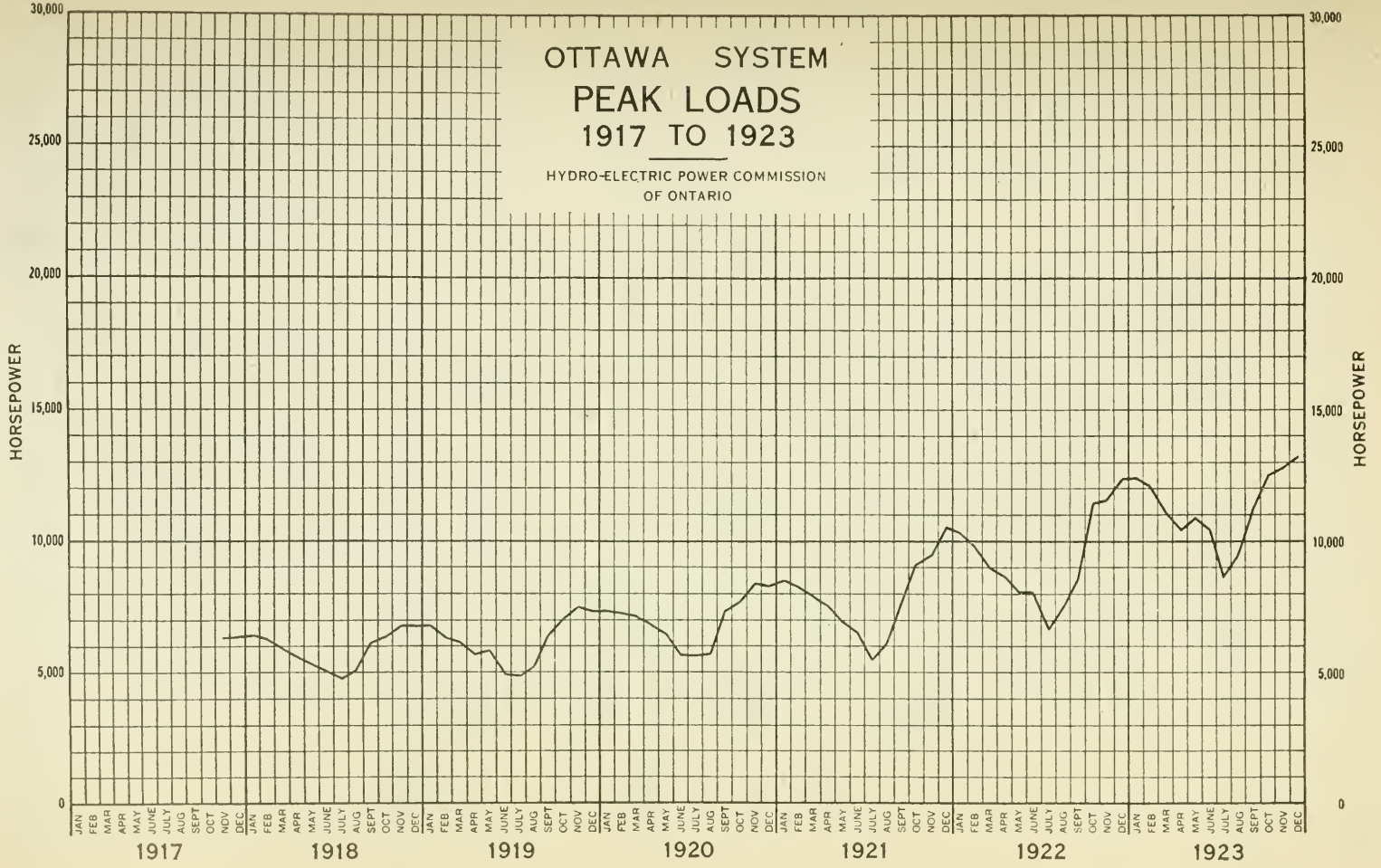
The new generating station at Ranney falls, which became available during the latter part of August, 1922, and which was reported in the Fifteenth Annual Report, has given excellent and timely service, but the additional power which it produces has been absorbed so rapidly that the generating stations now under construction at Dams 8 and 9 will soon be required to meet the demand for power.

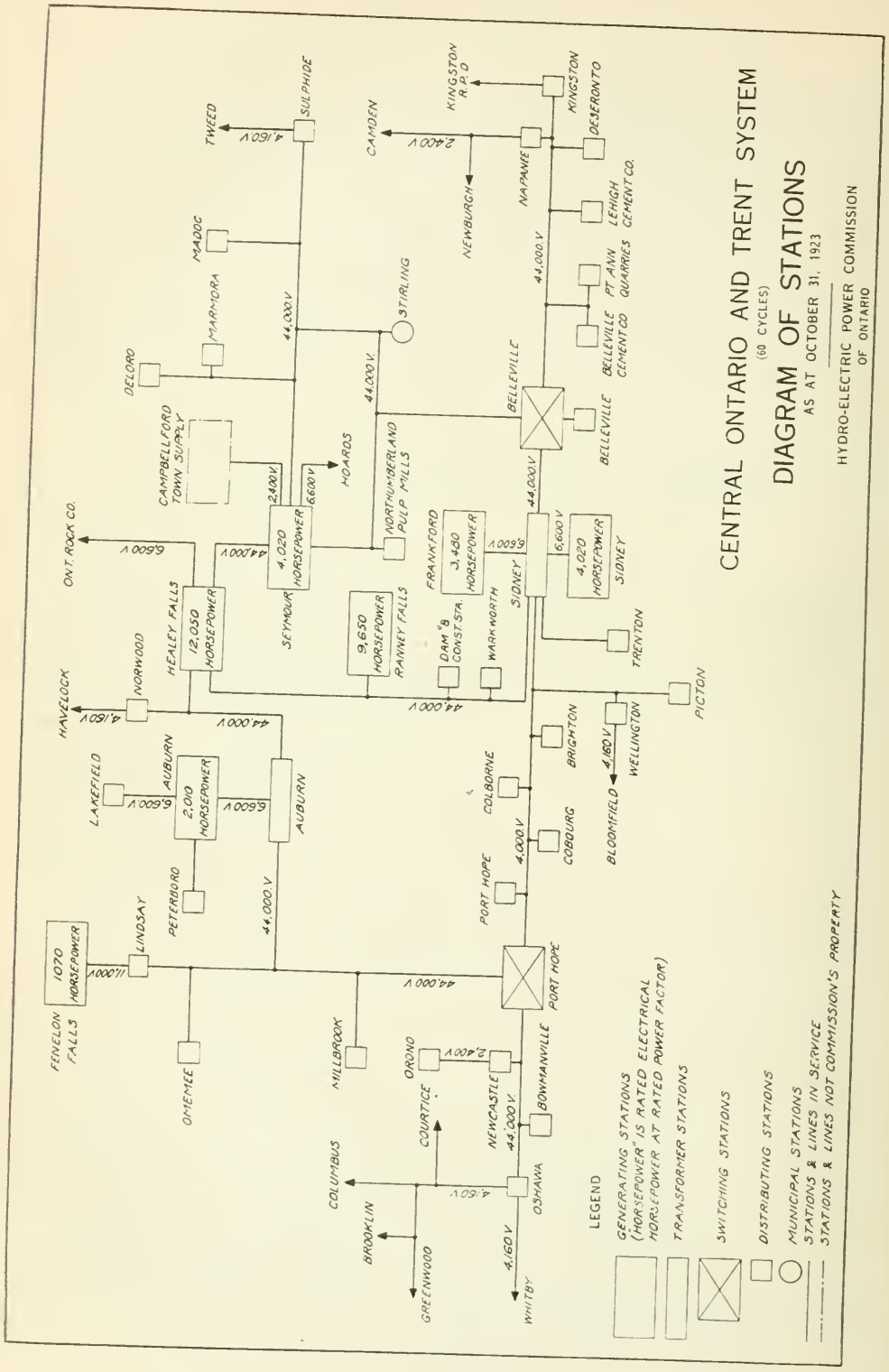
In last year's report mention was made of the improvement in the operation of the high-tension system due to changes in the relay system and the grounding of the system neutral. This improvement has been equally, if not more, apparent this year, and the study of the peculiar requirements of the system has been facilitated by the installation of relay indicators.

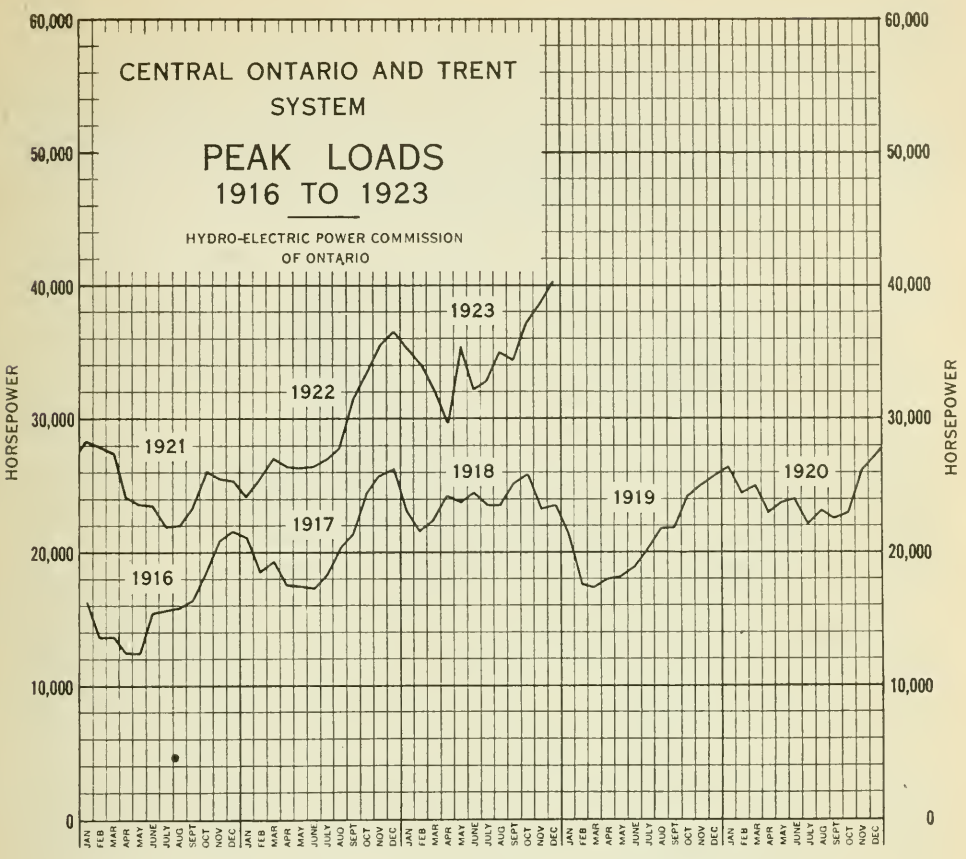
During the summer numerous and rather extensive changes in lines have been necessary in order to comply with the requirements of the Department of Public Highways. Poles, guys and stubs have been relocated, the line sections chiefly affected being those between Kingston and Napanee, the main line from Trenton to Oshawa near Brighton, Port Hope, Bowmanville, and Newcastle, also between Oshawa and Whitby.

Line grounding switches have been permanently installed at various points for the purpose of insuring the safety of linemen when working on lines which are not in service. These switches provide a convenient means of protecting the linemen against the possibility of the line being made alive while they are working on it. They are more effective than the usual grounds applied by the linemen where the work is being done, and since they do not relieve linemen of the obligation of making such local grounds, they provide an additional and very effective guarantee of safety.

At Lehigh station the 750-kv-a., 44,000-volt transformer from the Belleville Cement Mill, the transference of which was mentioned in last year's report, has been permanently connected as a spare unit, and has already rendered very useful and timely service.


OTTAWA SYSTEM
PEAK LOADS
1917 TO 1923
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
HORSEPOWER
30,000
25,000
20,000
15,000
10,000
5,000
0
1917
1918
1919
1920
1921
1922
1923


CENTRAL ONTARIO AND TRENT SYSTEM
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1923
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
SWITCHING STATIONS
DISTRIBUTING STATIONS
MUNICIPAL STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
FENELON FALLS
1070 HORSEPOWER
11,000 V
LINDSAY
PETERBORO
OMEMEE
LAKEFIELD
AUBURN
6,600 V
2,010 HORSEPOWER
6,600 V
AUBURN
44,000 V
NORWOOD
4,160 V
HAVELOCK
HEALEY FALLS
12,050 HORSEPOWER
44,000 V
6,600 V
ONT. ROCK CO.
SEYMOUR
4,020 HORSEPOWER
2,400 V
6,600 V
CAMPBELLFORD TOWN SUPPLY
DELORO
MARMORA
MADOC
TWEED
SULPHIDE
4,160 V
44,000 V
HOARDS
44,000 V
STIRLING
NORTHUMBERLAND PULP MILLS
9,650 HORSEPOWER
RANNEY FALLS
FRANKFORD
DAM "8" CONST. STA.
3,430 HORSEPOWER
WARKWORTH
6,600 V
SIDNEY
44,000 V
6,600 V
4,020 HORSEPOWER
SIDNEY
TRENTON
44,000 V
PICTON
BELLEVILLE
44,000 V
BELLEVILLE
BELLEVILLE CEMENT CO
PT. ANN QUARRIES
LEHIGH CEMENT CO.
NAPANEE
44,000 V
CAMDEN
2,400 V
NEWBURGH
KINGSTON R.P.D.
KINGSTON
DESERONTO
BRIGHTON
COLBORNE
4,000 V
COBOURG
PORT HOPE
BLOOMFIELD
4,160 V
WELLINGTON
PORT HOPE
44,000 V
ORONO
2,400 V
NEWCASTLE
44,000 V
BOWMANVILLE
OSHAWA
4,160 V
WHITBY
4,160 V
COLUMBUS
BROOKLIN
GREENWOOD
COURTICE
HILLBROOK



On Sunday, August 19, the Bowmanville station and distribution system was changed from 2,400 volts delta to 4,160 volts Y, requiring a change in the metering and relay equipment and the addition of current transformers, etc.

Brakes for the generators at plants Nos. 2 and 5 have been made up and are now ready for installation at these stations. These brakes will simplify and improve the methods at present in use at these stations for bringing generators to rest.

The reduction in staff at plant No. 2, Trenton, is, perhaps, the most noteworthy operating economy effected this year. At this plant the transformer and switching station, sometimes called the terminal station, is separate from the generating station, and in previous years it was a very important system switching point, but with the construction of the 44,000-volt line connecting Heely falls and Peterboro and the concentration of additional power near Heely falls, its importance as a switching point diminished. The switching station has been operated by a staff of three trained operators in addition to the operating staff at the generating station, but this year an attempt was made to operate the switching station without any continuous attendance. To accomplish this, telephone equipment was duplicated at both the terminal station and the generating station. Up to the present the experiment has met with success, and although since its inauguration the system has not experienced electric

storms of the severity previously experienced, there is every reason to believe that its success will continue and that three operators will be permanently dispensed with, reducing cost of operation.

Owing to the destruction by fire of the transformers and a part of the metering equipment at the Gillespie Talc Mill, Madoc, the Commission at the request of the customer constructed there a new station of the outdoor-type. This station is a great improvement upon the old one.

Water Conditions

Although 1923 water conditions on the Trent river have been rather unfavourable, it is most gratifying in the circumstances to report that the flow regulation for power purposes has been greatly improved.

The power shortages during the months of January and February, 1923, which are shown on plate B2, have not been discussed in detail in this report because they are a result of the regulation pursued during the fall and winter of 1922. Their causes have been fully dealt with in Appendix III of last year's Annual Report, and need not here be repeated.

Water conditions are the result of a multitude of varying influences which are exceedingly difficult to measure or even to describe concisely, although many of them may be fairly accurately taken into account by a trained observer. Of these influences precipitation is the most important and, fortunately, can be and is recorded with at least approximate accuracy.

Plate A shows the average monthly precipitation as recorded by the five most informative stations in the Trent watershed. The precipitation is not expressed in inches, but as a percentage of the monthly normal precipitation for these stations as established by Meteorological Service records extending over a period of from ten to fifty years.

The low precipitation during December, 1922, and January and February, 1923, contributed to a reduction of the freshet rather than the intermediate run-off during these particular months. Very frequently the natural run-off during December, January and February meets the requirements of power, the years 1914-15 and 1922-23 being notable exceptions. During these months the influence of temperature upon the natural run-off is greater than that of precipitation, since the run-off due to occasional rises in temperature and to actual thaws is usually independent of the actual amount of snow on the ground, a superfluity of which usually remains to be carried off in the form of a freshet. This statement is perhaps more true of January and February than of December.

The precipitation during the freshet is of no value for power development, since it wastes. Some few of the back lakes which do not always fill may benefit by it, but the area affected is small. If the precipitation for a month or two following the freshet is excessive, some of it also will waste, but much of it is of value in soaking into the ground and increasing the great underground reserves, and also in maintaining the storage lakes full and preventing an early draft on them. Well replenished ground waters affect the flow for a period of months after the time of their replenishment. On account of the numerous contending factors in flow regulation, which vary greatly from year to year, no hard and fast statement as to the effect of spring precipitation can be made, but in 1923

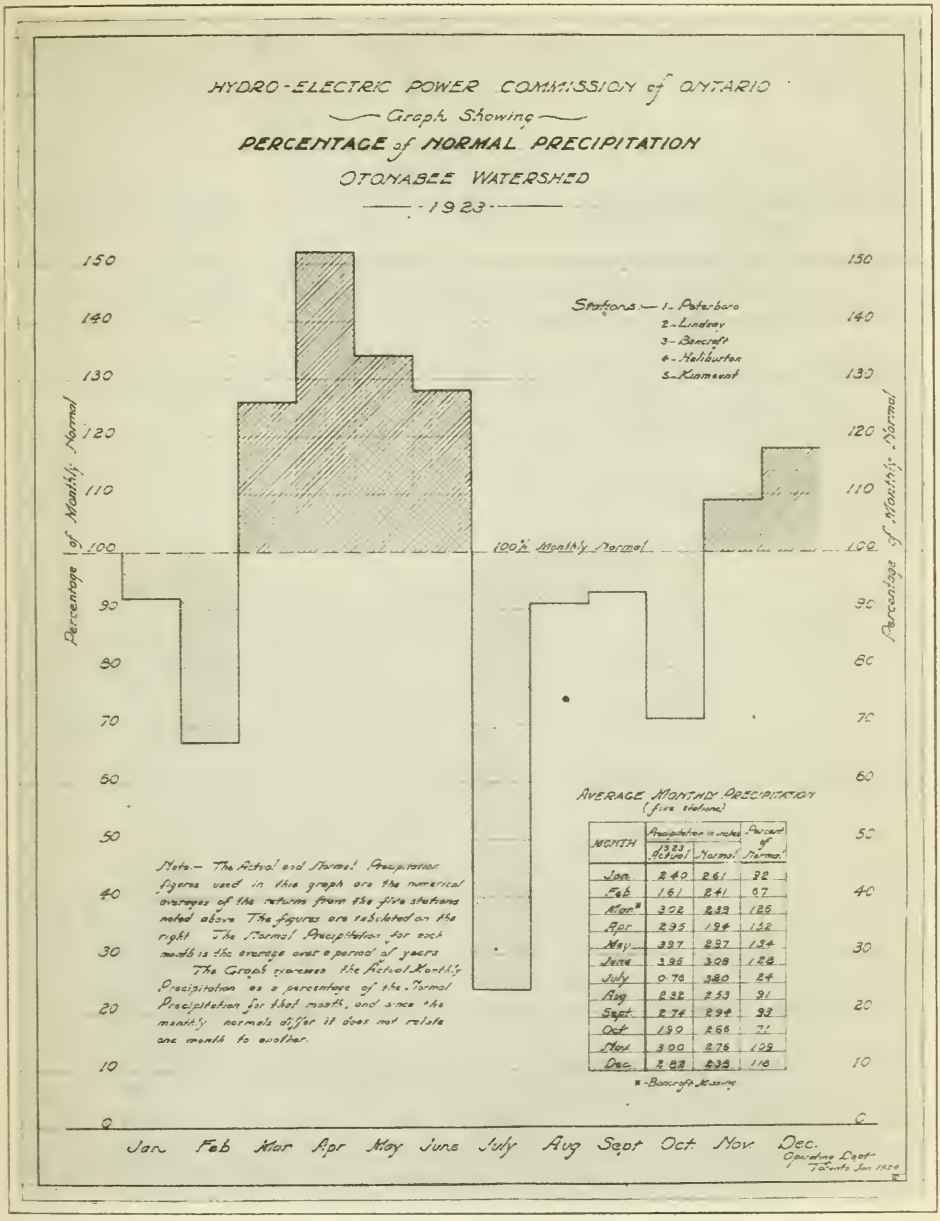

HYDRO-ELECTRIC POWER COMMISSION of ONTARIO
Graph Showing
PERCENTAGE of NORMAL PRECIPITATION
OTONABEE WATERSHED
1923
Stations — 1- Peterboro
2- Lindsay
3- Bancroft
4- Haliburton
5- Kinmount
Percentage of Monthly Normal
100% Monthly Normal
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec.
Note.— The Actual and Normal Precipitation figures used in this graph are the numerical averages of the returns from the five stations noted above. The figures are tabulated on the right. The Normal Precipitation for each month is the average over a period of years. The Graph expresses the Actual Monthly Precipitation as a percentage of the Normal Precipitation for that month, and since the monthly normals differ it does not relate one month to another.
AVERAGE MONTHLY PRECIPITATION
(five stations)
MONTH | Precipitation in inches 1923 Actual | Normal | Percent of Normal
Jan. 2.40 2.61 92
Feb. 1.61 2.41 67
Mar.* 3.02 2.39 126
Apr. 2.95 1.94 152
May 3.37 2.27 134
June 3.96 3.08 128
July 0.79 3.80 24
Aug. 2.32 2.53 91
Sept. 2.74 2.94 93
Oct. 1.90 2.66 71
Nov. 3.00 2.76 109
Dec. 2.88 2.39 116
*-Bancroft Kinmt.
Preceding Last Twenty Jan. 1924

PLATE A—PRECIPITATION DATA

This graph represents the estimated actual monthly precipitation on the Otonabee watershed expressed as a percentage of the normal precipitation.

The estimate is based upon the actual and normal returns of the Meteorological Service for Peterboro, Lindsay, Bancroft, Haliburton and Kinmount. (See inset table.)

Although the numerical values differ from month to month the normal precipitation is taken as 100 per cent, hence the solidly hatched areas represent the amount by which the precipitation exceeded the average while the dotted hatched area represents in a similar manner the deficiencies.

it is quite apparent that some of the precipitation in excess of normal during April, May and June was beneficial through increasing the ground water reserve, and deferring any draft on the Kawartha lakes until the first week of July.

The precipitation during July was very low—only 24 per cent of a normal July. August and September also were a little low. In spite of this, however, the storage draft on the Kawartha lakes for these three months was, with the exception of the year 1921, less than any year since 1910.

During the first week of October, the Department of Railways and Canals reduced the flow of the Otonabee river, and on October 9, foreshadowed further reductions, and the Commission, in order to maintain canal levels, was obliged to reduce load. Had the contemplated reductions been carried out, the municipalities would have suffered from a serious shortage of power. (See plate B2, hatched area below base line.)

Believing that any reduction of flow below the requirements of power was unnecessary, the Commission's views were immediately transmitted to the Department, both by letter and in conference, and certain suggestions and requests were made, the final outcome of which was that the Department increased the flow to an amount sufficient to meet the power demand, and continued in spite of the low precipitation in October and the first three weeks of November, to maintain a flow adequate for power purposes.

For the first three weeks of November the precipitation was about 50 per cent of normal, but during the last nine days it was sufficiently heavy to raise the average for the month to 9 per cent above normal. December was 18 per cent above normal. (See plate A.) In view of the low precipitation from July to October, inclusive, it is not surprising that November and December would be relatively a little high. Yet this moderate precipitation was sufficient, after replenishing the storage to the Department's satisfaction, to create a heavy surplus run-off which in terms of power amounted to more than double the entire system load. (See plate B2, graph No. 3.)

It is interesting to observe that the precipitation for the nine months beginning with April and ending with December was exactly normal. The distribution of the precipitation, however, was rather unfavourable. Not only was it far from uniform, but the low period occurred during the hot summer months when the evaporation and natural draft on storage is greatest, thus accentuating the variable storage draft necessary to maintain the required flow.

The Commission's confidence in the soundness of the methods of flow regulation recommended and pursued was largely based upon the following considerations.

(a) A study month by month of the records of lake levels and stream flow since 1910 shows conclusively that during this period the watershed with the available storage facilities was always capable of meeting the flow requirements of 1923. The average capacity of the watershed is far above the 1923 requirements. It is true that variable conditions of precipitation, evaporation, ground-water flow, etc., etc., would have necessitated widely different use of the storage waters during many of the years of this period, but since storage is created for the express purpose of augmenting the natural flow, as and when deficient, this is to be expected. In 1923, on account of the low precipitation from July 1 to November 21, the total storage in the Kawartha and back lakes was depleted rather more than usual at the final date mentioned, even though

conditions up to the end of June had been most favourable. The capability of the watershed, however, is established by the records of previous years, and if an unusual distribution of precipitation and other contributory factors requires an unusual draft on storage, there is no occasion to regulate thereafter on the assumption that the entire year will be a worse one than any of which we have records. It is, of course, easy to conceive of a combination of conditions so unfavourable that the available flow would fall below the requirements of 1923, but the fact that such a combination of conditions has not occurred from 1910 to 1924, the period over which useful records were available for study, indicates that the risk is not great.

(b) Even though anxiety is felt with regard to the ability of the watershed to maintain until the freshet the flow required for power purposes, it seems most unwise to create a power shortage before it has been proven necessary, since the chance of avoiding the shortage is thus destroyed. Furthermore, in deferring the shortage, no risk of increasing it is incurred. If the records available for study extended over a period of fifty or one hundred years, it is probable that water years worse than any disclosed by the thirteen year study would be found, but these very bad years would doubtless occur very rarely, and the possibility of their occurrence does not justify the serious power shortages which periodically occur as a result of flow regulation designed to guard against them.

The flow reduction, as originally proposed by the Department, would have necessitated load reductions involving three or four times the amount of energy which the public were short during the very serious shortage of July, 1922, whereas the course pursued avoided all but a fraction of this, and although the events of one year prove no general rule, it may at least be stated that the policy consistently advocated by the Commission has been put to the test and has worked out to the great advantage of all concerned, and that the evidence of another year's records entirely supports it.

The points mentioned in the foregoing, while interesting and important in themselves, are especially gratifying in view of the fact that this successful result has been accomplished as a direct result of co-operation. Under the existing conditions the Commission could not ask for better regulation for power purposes than that which occurred from the week ending October 5, to the period of surplus flow about the first of December. The comparatively insignificant wastage during this period is shown on plate B2, graph No. 3, and also by the hatched area between graphs one and two, which, though expressed as a weekly average, is equal to the area under graph No. 3. With this excellent advance in the direction of efficient co-operation, flow regulation problems of the future should be viewed with greatly increased confidence and optimism.

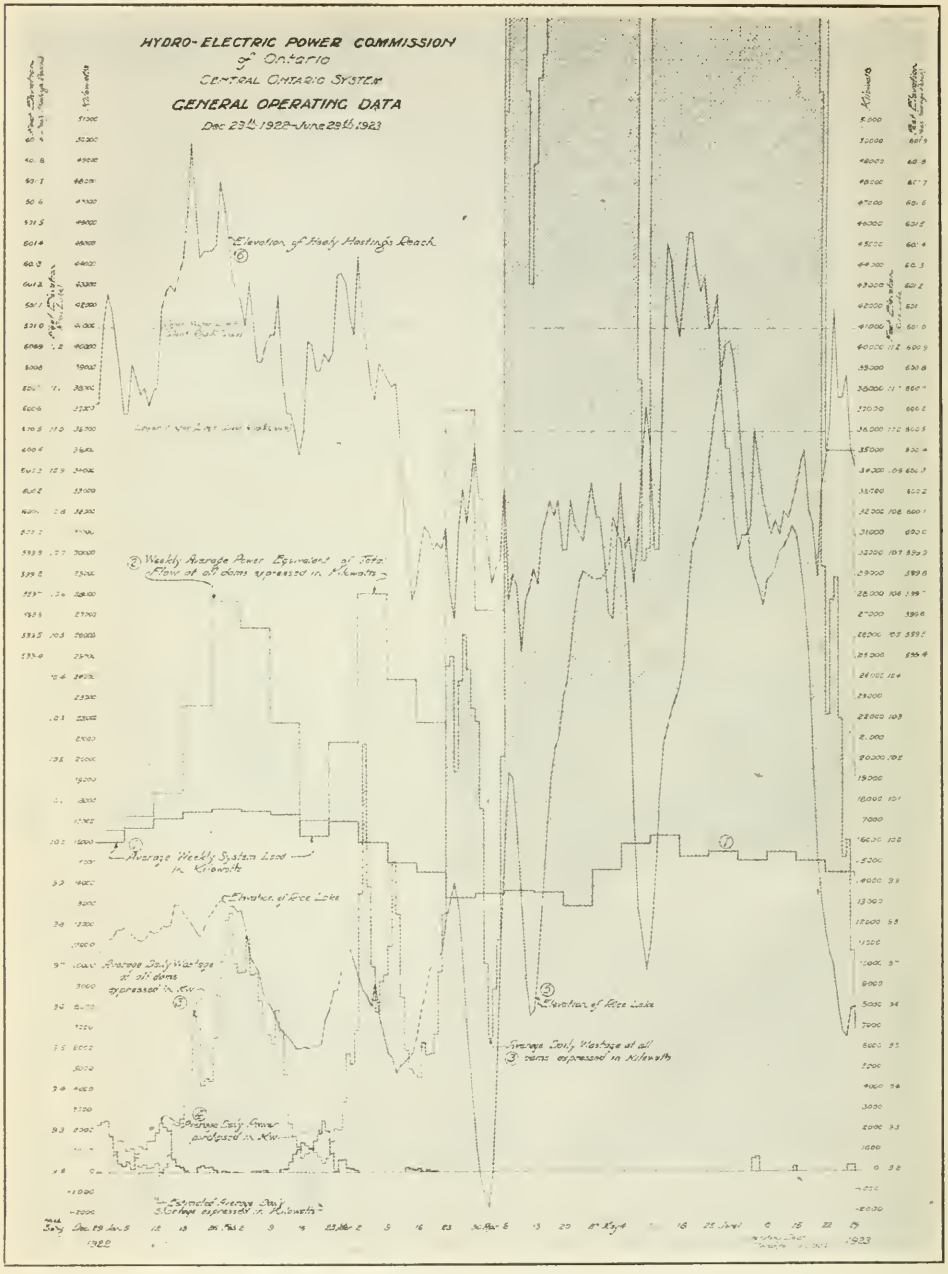

HYDRO-ELECTRIC POWER COMMISSION
of Ontario
CENTRAL ONTARIO SYSTEM
GENERAL OPERATING DATA
Dec 23rd 1922–June 28th 1923
Elevation of Heely Hastings Reach
Weekly Average Power Equivalent of Total Flow at all dams expressed in Kilowatts
Average Weekly System Load in Kilowatts
Elevation of Rice Lake
Average Daily Wastage at all dams expressed in Kw
Average Daily Wastage at all dams expressed in Kilowatts
Average Daily Power purchased in Kilowatts
Extended Average Daily Storage expressed in Kilowatts
Dec 29
1922
1923

PLATE B1—GENERAL OPERATING DATA

December 29, 1922 to June 29, 1923

GRAPH No. 1—System average weekly load in kilowatts.

GRAPH No. 2—Weekly average power equivalent of total flow at all dams. This equals the weekly average system load plus the power equivalent of the weekly average wastage of water at all plants from which the Commission derives its regular supply. The wastage is shown by the dotted hatched area between graphs 2 and 1.

GRAPH No. 3—Average daily wastage at all plants expressed in kilowatts. In the weekly aggregate the area under this graph equals the wastage represented by the hatched area between graphs 2 and 1 and shows the daily distribution of this weekly wastage.

GRAPH No. 4—Average daily power purchased in kilowatts.

GRAPH No. 5—Midnight elevation of Rice lake.

GRAPH No. 6—Midnight elevation of Heely-Hastings reach.

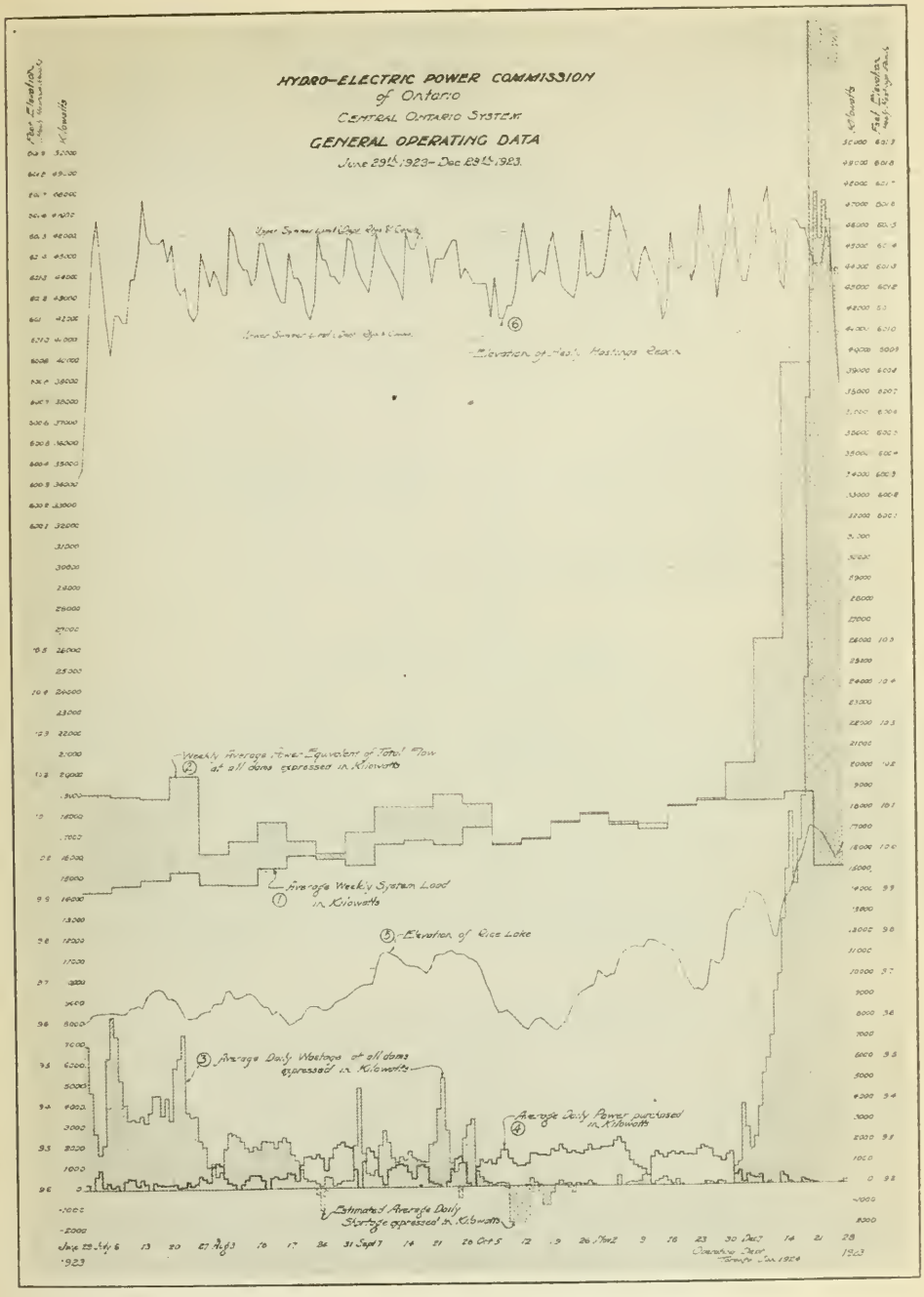

HYDRO-ELECTRIC POWER COMMISSION
of Ontario
CENTRAL ONTARIO SYSTEM
GENERAL OPERATING DATA
June 29th, 1923 - Dec 29th, 1923.
Elevation of Bay, Hastings Datum
Weekly Average Flow-Equivalent of Total Flow at all dams expressed in Kilowatts
Average Weekly System Load in Kilowatts
Elevation of Rice Lake
Average Daily Wastage at all dams expressed in Kilowatts
Average Daily Power purchased in Kilowatts
Estimated Average Daily Shortage expressed in Kilowatts
June 29 July 6 13 20 27 Aug 3 10 17 24 31 Sept 7 14 21 28 Oct 5 12 19 26 Nov 2 9 16 23 30 Dec 7 14 21 28
1923
Operating Year
1924

PLATE B2—GENERAL OPERATING DATA
June 29, 1923 to December 29, 1923

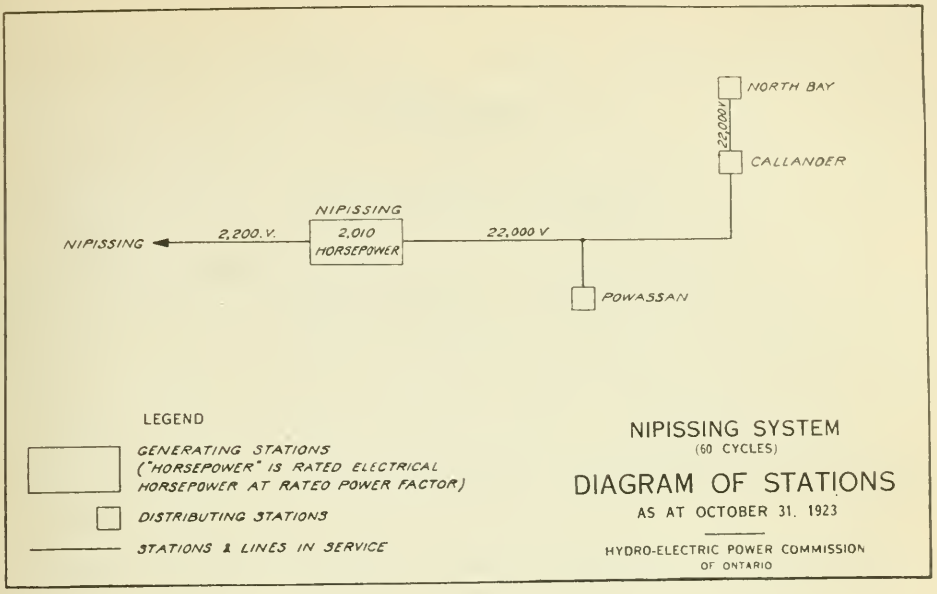
For general description see Plate B1.

The hatched areas below the base line represent power shortages. The shortages appearing on Plate B1 are a result of the regulation pursued during the previous year and are discussed in Appendix III of the Fifteenth Annual Report.

The five-week period from October 5, to November 30, is a striking example of efficient regulation. Note that the wastage represented by the area under Graph No. 3 has practically disappeared and that Graphs Nos. 1 and 2 are practically co-incident.

CENTRAL ONTARIO AND TRENT SYSTEM—LOADS OF MUNICIPALITIES 1921-1922-1923

Municipality	Peak load in horsepower			Change in load, 1922-1923	
	Oct., 1921	Oct., 1922	Oct., 1923	Decrease	Increase
Belleville	1,943.7	2,624.8	2,868.6	.....	243.8
Bloomfield	22.7	35.0	71.8	.....	36.8
Bowmanville	1,119.3	1,285.0	1,156.8	128.2	.....
Brighton	97.3	174.2	175.8	.....	1.6
Cobourg	970.0	1,059.0	1,160.8	.....	101.8
Colborne	109.3	126.5	109.2	17.3	.....
Deseronto	250.6	287.0	312.3	.....	25.3
Havelock	71.4	69.8	72.3	.....	2.5
Kingston	2,506.7	2,547.0	3,178.4	.....	631.4
Lakefield	156.8	85.0	138.0	.....	53.0
Lindsay	1,375.3	1,260.0	1,282.8	.....	22.8
Madoc	143.4	152.0	184.4	.....	32.4
Marmora	49.5	49.4	50.6	.....	1.2
Milbrook	40.7	36.4	36.4	.....	.....
Napanee	565.6	576.4	604.5	.....	28.1
Newburg	386.0	160.8	490.6	.....	329.8
Newcastle	48.2	59.0	61.8	.....	2.8
Norwood	37.5	101.3	86.8	14.5	.....
Omemee	90.3	58.0	119.5	.....	61.5
Orono	48.2	40.0	41.2	.....	1.2
Oshawa	3,493.2	3,850.0	4,933.6	.....	1,083.6
Peterboro	4,886.0	4,306.2	5,839.3	.....	1,533 1
Picton	268.0	326.0	382.0	.....	56.0
Port Hope	575.0	608.0	782.8	.....	174.8
Stirling	107.2	135.3	157.7	.....	22.4
Trenton	671.5	823.0	865.9	.....	42.9
Tweed	106.5	144.7	148.7	.....	4.0
Wellington	63.0	74.0	73.7	0.3	.....
Whitby	509.3	583.0	666.2	.....	83.2



NIPISSING SYSTEM

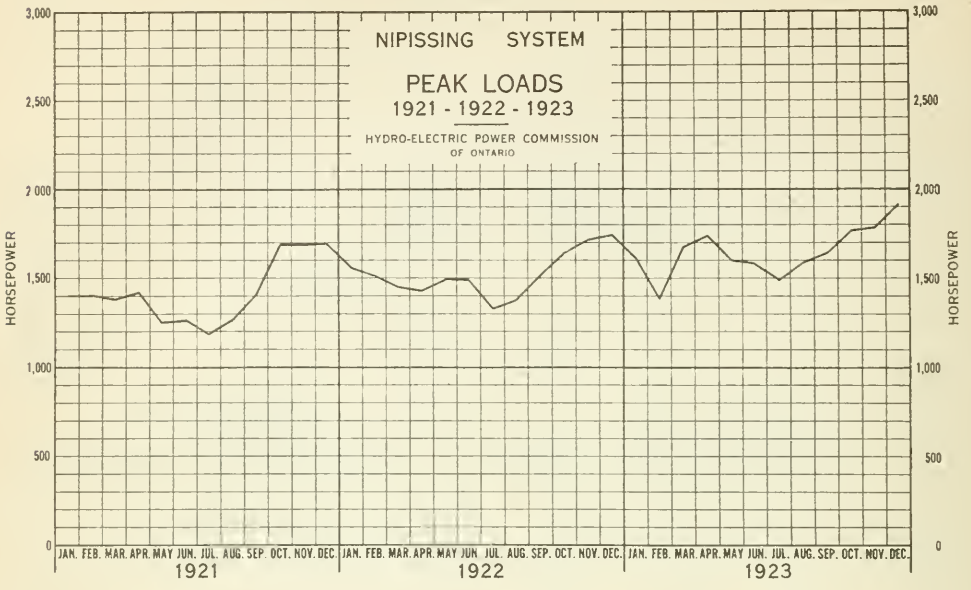
The demand for power on the Nipissing system has continued to increase, although it was already very close to the maximum generating capacity. As stated in the last Annual Report, the water storage areas were depleted in the fall of 1922. The heavy demand for power, combined with the low storage, resulted in a severe water shortage in the months of January, February and March, 1923, during which months the hydro-electric station at Nipissing was unable to meet the system demand for power, even with the assistance of the Commission's steam plant at North Bay, which was operated to full capacity throughout the period.

Outside of this period, the generating plant has been able to carry the system load, and has given continuous and satisfactory service in spite of the heavier demand and the higher load factors.

To relieve the power shortage, a new hydro-electric plant is being constructed at Bingham Chute, which should be ready for operation in December of this year.

The Commission's steam plant at North Bay was completely destroyed by fire during the summer. Owing to excessive cost of operation, this plant was not operated except during emergencies or power shortages. Fortunately it has not been needed since the date of the fire, as the hydro-electric plant has been able to take care of the load. A Diesel engine plant is now being erected at North Bay as an auxiliary to take care of emergencies.

Men have been kept employed ranging the storage areas and dams to insure a maximum supply of water for this year and the coming winter's operation. In the spring investigations were made with a view to increasing the storage of water in Braie lake, and securing the necessary flooding rights.



The storage dam at Braie lake, which was damaged by dynamite by some unknown parties in August of last year, was repaired. Considerable maintenance work was also carried out on the other storage lake dams.

At the Nipissing plant, the pipe line, surge tank and dams were repaired.

On the transmission line a large number of insulator pins and cross-arms had to be replaced, due to those in service having reached the end of their useful life, and threatening to interrupt service. Road work also necessitated a considerable amount of maintenance and alterations, and was the cause of a number of interruptions to service.

SECTION III

MUNICIPAL WORK

The Commission acts in an advisory capacity in connection with the operation of the various municipal Hydro Utilities with which it has contracts. In this connection, the Commission arranges for the purchase or construction of distribution systems and assists the municipal officials in making their financial arrangements to pay for the cost of same. The Commission also recommends all necessary rate adjustments, as provided under the Power Commission Act, and generally supervises the management and operation of all systems, more especially in the smaller municipalities, which are not of sufficient size to employ a manager with the technical knowledge necessary to handle properly all phases of the system's operation.

NIAGARA SYSTEM

During the year, the load on the Niagara system continued to increase very rapidly, and contracts were signed with twelve new urban municipalities, seven of which were connected and supplied with service during the year.

During the year, forty new contracts were signed with additional townships, twenty-eight of which were given service during the year.

Negotiations were carried on with the municipalities served on the Essex County system, with a view to having these municipalities submit by-laws to their ratepayers and sign contracts with the Commission for power, thereby assuming the liability for the financial operation of this system. Arrangements are being made to have enabling and money by-laws submitted at the municipal elections in January, in all of the municipalities supplied on the Essex County system.

The work of extending the Queenston generating plant has been proceeded with during the year, and an additional generating capacity put into service to meet the increasing power demands.

Arrangements were also completed for supplying off-peak power from the Niagara system to the Eugenia system, through a rotary converter located at Mount Forest This connection between the Niagara system and the Northern systems will result in considerable additional revenue to the Niagara system, and permit the Eugenia system to conserve its water storage, thereby very materially increasing the continuous capacity of that system.

General engineering assistance in connection with the operation and extensions to local Hydro systems was given to the following municipalities: Ailsa Craig, Aylmer, Ayr, Baden, Barton Township, Burford, Burgessville, Chippawa, Clinton, Delaware, Drayton, Drumbo, Dublin, Dundas, Dunnville, E'mira, Elora, Embro, Exeter, Fergus, Georgetown, Granton, Hagersville, Hamilton, Lambeth, Listowel, Lucan, Lynden, Merritton, Milverton,

Mitchell, Moorefield, Mount Brydges, New Hamburg, Niagara Falls, Niagara-on-the-Lake, Palmerston, Parkhill, Port Colborne, Port Dalhousie, Port Dover, Princeton, Queenston, Ridgetown, Rodney, St. Catharines, St. Marys, Sarnia, Seaforth, Stamford Township, Thorndale, Thorold, Tilbury, Waterford, Waterloo, Walkerville, Welland, West Lorne, Windsor.

Certain municipalities, in addition to receiving general engineering assistance in connection with the operation of the local Hydro systems, received also special engineering advice and assistance with respect to a number of matters, which are more fully referred to as follows:

Acton—Owing to increased power loads supplied on the system, it became necessary to install an additional feeder circuit and otherwise to alter and increase the capacity of the lines and equipment to take care of this increase as well as of the growth in the lighting loads.

Barton Township—With a view to giving service to approximately 200 additiona' consumers assistance was given to the municipality with regard to defining an area which had sufficient population to warrant the extension of its system. The construction of extensions to its street lighting system for three hundred additional lights also received attention.

Beachville—Due to the power load trebling in the village, it was considered advisable to recommend to the Trustees of the village that the 2,300-volt delta distribution system be changed over to a four-wire, 3-phase, 4,000-volt grounded Y system. Specifications were prepared and work started by the Commission, but it was deemed advisable to discontinue the work until next year, owing to proposed changes on the Provincial Highway, and to the fact that satisfactory arrangements could not be made for the removal of certain other foreign lines.

Belle River—A 26,000-volt line was constructed from Essex high-tension station in an easterly direction south of the Canadian Pacific Railway to a point just south of the village of Belle River. An outdoor substation of 150-kv-a. capacity was installed to supply power to the village of Belle River and to the Belle River rural power district. Power was turned on and the village commenced operating the system on December 5, 1922.

Blyth—On request of the village council information regarding a supply of power was given by the Commission. On October 18, 1923, by-laws were passed authorizing the council to contract with the Commission for a supply of 50 horsepower, and to cover the cost of building a distribution system in the village. It is expected that power will be supplied during 1924. See paragraph under Brussels.

Brussels—The village passed its enabling and money by-laws on October 16, 1923, and has entered into a contract with the Commission for the supply of 75 horsepower. It is expected that a 26,400-volt line will be built from Seaforth Junction to Walton and a 4,000-volt line from the step-down station at Walton to Brussels, and another 4,000-volt line from the same station to Blyth.

Cayuga—Information was given to the municipality of Cayuga respecting enabling and money by-laws relating to a supply of power for that municipality. The vote on these by-laws is to be taken during 1924.

Clifford—This village passed its enabling and money by-laws on October 4, 1923, and has contracted with the Commission for the supply of 25 horsepower. The construction of its distribution system was started and it is expected that service will be supplied from the Harriston substation by means of a 4,000-volt line which will be completed early in 1924.

Courtright—The construction of a 4,000-volt line from Corunna to Courtright, and of a distribution system in the village is being proceeded with under the Commission's Construction department. Power is expected to be turned on about December 15, 1923.

Dorchester—The operation of the local system was not satisfactory, due to the joint use of poles for telephone lines and electrical distribution system without proper clearances. A recommendation, with estimates and specifications, to remodel the system was made by the Commission to the municipality. As soon as satisfactory arrangements have been made with the Telephone and Telegraph Companies, the Commission will proceed, on behalf of the municipality, to remodel the distribution system to take care of the increased load.

Dundas—Increased consumption of power caused by both domestic and industrial uses has necessitated the enlarging of the municipality's substation by one hundred per cent; important changes are also being made in the secondary distribution system to accommodate this increase.

Dunnville—During the year, a large number of additional consumers were added to the local system; this necessitated capital extensions amounting to approximately $10,000, for which amount debentures were issued.

Dutton—Since the lighting load increased approximately 35 per cent, it was considered necessary to recommend to the local management the erection of additional transformer capacity and the shortening of the distance each transformer served in the village. A power extension was also made during the year.

Etobicoke Township—Since the Etobicoke Township system was put into operation, over six years ago, with a load of approximately 80 horsepower, the system has been extended over a very wide area and the load has increased to over 800 horsepower. It became necessary during the year to make arrangements to supply part of the system from York station, which is more centrally located with regard to the central and northern portions of the Township system. The southern portion is still receiving its supply from the Etobicoke substation.

Ford City–Riverside–Tecumseh—At the time the distribution system of the Walkerville Light & Power Company was purchased in 1915, the system also supplied Ford City and extended into Sandwich east township. That part of the township immediately east of Ford City has recently been incorporated as the town of Riverside, and the village of Tecumseh has enlarged its boundaries to the easterly limits of Riverside. The power requirements of the three municipalities increased so rapidly that it became advisable to have each municipality assume ownership of its own distribution system. The necessary by-laws were passed and the standard agreements signed with the Commission. Power is supplied by the Commission through the Walkerville transformer station and operation was commenced on the new basis on November 1, 1922.

Galt—The engineers of the Commission have investigated the operating conditions of this system and recommended a number of changes, including a change in the distribution voltage from 2,200 to 4,000 volts. The load in Galt has shown a phenomenal increase due chiefly to the domestic uses of Hydro power for cooking and other purposes. This has necessitated considerable construction work in order to keep pace with the demand.

Goderich—A request was received by the municipality from the local grain elevators, for a supply of power, and the local Commission requested the assistance of the Commission in connection with this supply. Arrangements are now being made to construct the necessary lines and increase the capacity of the local substation to take care of these loads. These additional loads will very materially increase the amount of power taken by the municipality, making it approximately 900 horsepower.

Hagersville—During the year, approximately 400 additional horsepower was supplied to the Hagersville Quarries Limited to operate its plant. This necessitated an increase in the Commission's substation of three hundred kilowatts. Consideration was also given to the question of changing the distribution system from 2,200 to 4,000 volts in order to improve line regulation.

Harriston—On account of the rapidly increasing load, it has become necessary to remodel the distribution system in Harriston. The Commission's assistance was requested and plans and specifications prepared by the Commission's engineers have been forwarded to the municipality.

Hespeler—The work of remodelling the distribution system, which was started last year, was completed during the year. Since this improvement in distribution the load on the system has grown to such an extent that it has been found necessary to increase the local transformer station capacity, three 200-kv-a. transformers being recently installed. A 4,000-volt line has been constructed from the municipality to supply the Christie-Henderson Lime Company with power through the Hespeler substation.

Ingersoll—Owing to the increased load, recommendations were made to the local management on the substation extensions, and estimates submitted to cover the cost of various extensions and necessary changes. Certain changes to the distribution system in order better to handle the increased power and lighting load were also recommended.

Jarvis—During the year, this municipality voted on and carried by a large majority, enabling and money by-laws, and has entered into a contract with the Commission for a supply of power. On a request from the municipality, the Commission is constructing a distribution system which will be in operation early in 1924.

Kitchener—The ever-increasing load on the system of this municipality has necessitated considerable extensions and improvements to the system during the year, as well as an increase in the substation capacity and an increase in the transmission line capacity supplying the local substations. This latter work has been carried out by means of underground construction from the high-tension station to substation No. 1 and to the waterworks plant; new oil-breakers of larger capacity being installed to take care of the larger loads.

Markham—In order to improve the service, arrangements were made to build a 12,000-volt line from the Commission's 12,000-volt feeder on Yonge street to Markham, where a substation was erected and put into service on September 25, 1923.

Merlin—The construction of a step-down station at Fletcher was completed, also a 4,000-volt line from Fletcher to Merlin. A distribution system, which was constructed under the supervision of the engineers of the Commission, was put into operation on December 21, 1922.

Merritton—Owing to the rapid increase in the load during the year it became necessary to increase the capacity of the Merritton substation by approximately 100 per cent. The Merritton Hydro-Electric system has, therefore, requested the Commission to install one 300-kv-a., 3-phase, outdoor-type transformer. It is expected that this will be in service some time in December, 1923.

Niagara-on-the-Lake—Owing to rapidly increasing load on this system it was decided by the municipality to install one 300-kv-a., 3-phase, outdoor-type transformer to replace the three 50-kv-a. transformers at present installed. The municipality is issuing $5,000 of additional debentures to take care of this new work.

North York Township—This municipality having been created from the northern portion of York Township, it became necessary to make a valuation of the existing light and power system lying in the municipality. A request was also made by the municipality for the purchase of the portion of the distribution systems formerly owned by the Toronto and York Radial Railway, the Toronto Suburban Railway and the Toronto and Niagara Power Companies and lying within the new township boundaries. This necessitated valuations of these systems and negotiations with the various owners for their purchase. This work was practically completed at the close of the year. The necessary by-laws were passed by the municipality and a contract signed with the Commission for the supply of power.

Petrolia—A double-circuit, 26,000-volt line was constructed from the Sarnia line to Petrolia waterworks station on lake Huron. An outdoor station was constructed to step down power to 550 volts. The capacity of the station is three 75-kv-a., air-cooled transformers. A centrifugal pump direct connected to an electric motor of 100 horsepower was installed by the town to take the place of the steam pump formerly used.

Port Dalhousie—Owing to increased load, caused by the use of electrical cooking appliances, it became necessary to reconstruct the primary and secondary distribution systems and to add additional transformer capacity. The voltage of distribution is also being changed to 4,000 volts to improve the regulation.

Port Dover—Extensions and improvements to the system are required in order to serve the waterworks and additional domestic consumers. To carry out this work necessitated the issuing of $8,000 of debentures.

Preston—It was found necessary during the year to increase the local station transformer capacity, a third 750-kv-a., 3-phase transformer being installed to take care of the additional loads. It has also been found necessary to extend and increase the capacity of the main feeder lines in the distribution system; the plans for this work being prepared by the Commission's engineers.

Riverside—See note under Ford City.

St. Clair Beach—This village passed Hydro and money by-laws at the municipal elections of January, 1922. A distribution system was constructed in the village and put into operation during the summer of 1922, being finally completed November 21, 1922.

St. Jacobs—During the year, it was found necessary to increase the local distribution system by increasing the capacity of the distribution transformers and secondaries. Upon request from the municipality, this work was done under the supervision of the Commission's engineers.

St. Thomas—Changes were made to the waterworks feeder installation to handle better the increased load. An extension was made to the M.C.R. 13,200-volt substation and meter equipment was installed by the company to obtain proper records for billing purposes.

Sandwich—The present distribution system was installed by the Commission, but it is growing so rapidly that it is considered advisable to have the municipality assume ownership. Information was furnished the Council to enable it to submit to the ratepayers the question of the purchase of the system by the town. The necessary by-laws will probably be voted on at the coming municipal elections.

Scarboro Township—Many extensions were made in order to supply service to new customers in this rapidly growing municipality. The township purchased the portion of the distribution system of the Toronto and Niagara Power Company lying in the municipality and these lines were combined with the former system.

Stouffville—The municipality, having passed the necessary by-laws, signed an agreement with the Commission for the supply of power. Arrangements were then made for the delivery of this power and for the rebuilding of the municipally-owned distribution system. Power was first given on September 28, 1923.

Stratford—Increased load has necessitated the installation of a new 1,500-kv-a., 3-phase transformer in the substation, and in addition the Commission's engineers have been requested to increase the capacity of the switching equipment and outgoing feeders to meet the demands. It has also been found necessary to recommend changing the distribution voltage from 2,200 to 4,000 volts. Work is now in progress and it is expected that the station will be completed during 1924.

Sutton—During the year, a Hydro enabling by-law and a money by-law for $28,000 was submitted to the ratepayers and passed. The existing distribution system was purchased by the municipality and extended so as to make electric service available to all the residents of the municipality. A line was constructed to serve the municipality and service was supplied on July 20, 1923.

Tavistock—The increased demand for power for domestic uses necessitated the entire rebuilding of the secondary distribution system. Larger and additional transformers were also erected, the work being carried out under the supervision of the Commission's engineers.

Tecumseh—See note under Ford City.

Wellesley—Considerable rebuilding of the distribution system in this village was made necessary during the year by the increased demands for electrical energy.

Wheatley—Information was furnished to this village giving particulars of the cost of power and the cost of a distribution system. The necessary by-laws were submitted and carried. A valuation of the local distribution system in the village was made and negotiations were entered into with a view to purchasing the plant. It is expected that power will be available for the municipality early in the coming year.

NIAGARA SYSTEM—RURAL*

Aylmer Rural Power District—Estimates have been prepared and a considerable amount of preliminary work has been done in connection with a proposed rural line from Aylmer to Springfield. In this connection, meetings were held in the police villages and larger hamlets in this area at which details regarding rural electrical service were explained. It is expected that this line will be constructed early in the coming year.

Beamsville Rural Power District—This system was placed in service in January, 1923. Since that time a large number of additional consumers have been added to the system. Street lighting has also been installed in the police villages of Campden and Jordan Station.

Belle River Rural Power District—Sixteen miles of line in the Belle River rural power district were completed and made alive on December 5, 1922. This line supplies the summer resort on the south shore of lake St. Clair and the hamlet of St. Joachim.

Bothwell Rural Power District—Negotiations were carried on and a contract was made with the Dominion Petroleum Company of Glencoe for a supply of power to its oil pumping rigs in the oil field north of Glencoe. Three and one-half miles of line are being constructed and it is expected that the line will be in operation about January 1, 1924.

Brant Rural Power District—Early in the year the construction of 21 miles of rural lines was completed and these lines have been put into operation to give service to 94 rural consumers.

Delaware Rural Power District—During the year approximately eleven miles of overhead primary line were constructed to serve additional consumers. Meetings were held in the northern part of the district for the purpose of informing prospective consumers regarding the advantages and cost of rural service. Estimates were also prepared in connection with the cost of a street lighting system for the hamlet of Melbourne.

Galt Rural Power District—Some additional customers have been connected to the rural line which runs on both sides of the river south of Galt.

Homer Rural Power District—During the year about two and one-half miles of line were constructed to serve forty additional consumers.

*See statement relating to Rural work at end of this Section, pages 68 to 72.

Jordan Rural Power District—Early in the year three miles of overhead lines and five miles of underground line were constructed to serve new consumers.

London Rural Power District—A considerable amount of construction work was undertaken during the year, and over thirty miles of primary line will have been constructed by the end of December, 1923. Arrangements have been made for the installation of an outdoor-type, 12,000-volt to 4,000-volt substation south of the city to supply part of the London rural power district.

Lynden Rural Power District—During the year contracts were obtained in this district requiring twelve miles of underground line. These extensions will be completed and put into service early in the coming year.

Niagara Rural Power District—Contracts for electric service were received in this district during the year which require the construction of 18.25 miles of line. Of this, 14 miles will be underground construction and the remainder overhead. Most of this construction will be completed during the year 1923 and the entire extension will be put into service early in 1924.

Petrolia Rural Power District—A small extension of rural line to serve additional customers was completed in the Petrolia rural power district. This line is supplied from the Commission's transformer station at Perch.

Preston Rural Power District—During the year some twenty-five miles of standard rural line have been built to supply the farming district, and the surburban consumers south of Kitchener, including the hamlets of Rosendale and Bloomingdale north of Breslau and Bridgeport.

St. Jacobs Rural Power District—A line from St. Jacobs to the village of Linwood, a distance of approximately ten and one-half miles, is now under construction. This is a standard rural line and during 1924 service will be given to the farmers en route.

St. Thomas Rural Power District—During the year approximately thirty miles of primary line were constructed to supply over two hundred consumers. In order to take care of the power requirements of this district it has been necessary to install a 150-kv-a., outdoor-type transforming station. Meetings were held in practically all of the police villages and hamlets in the district, at which all matters pertaining to power in rural districts were thoroughly explained.

Saltfleet Rural Power District—During the year this system has shown steady growth. At the present time there are 67.25 miles of line giving service to 696 consumers. With the exception of about five miles all lines are underground construction. Plans are being prepared to serve a number of new consumers in various parts of the district.

Sandwich Rural Power District—Negotiations were carried on with the Windsor Hydro-Electric system and approval was given for the taking over of all lines in the township of Sandwich West, now supplied by the Windsor system. These lines will be taken over on November 1, 1923, and extensions to some new consumers will be made where necessary.

Sarnia Rural Power District—Six and three-quarter miles of line were constructed in the townships of Sarnia and Moore to supply the hamlet of Corunna and a summer resort on Stag Island. Also the line was extended east from Sarnia on the London road to supply farmers and suburban consumers. Power was turned on on July 4, 1923.

Streetsville Rural Power District—This district was created to supply customers situated north of the village of Streetsville. Approximately one mile of line has been constructed. Service was first given on December 21, 1922.

Tavistock Rural Power District—A line approximately four miles long was built between Tavistock and Shakespeare. Service is being supplied to some fifty-five customers, including a number of consumers in the hamlet of Shakespeare.

Tillsonburg Rural Power District—Six and one-half miles of primary line were constructed in this district to serve fifty-two rural consumers, and plans are under way for a number of additional extensions during the coming year.

At the request of the township councils of Southwold and Yarmouth, estimates were prepared in connection with the cost of street-lighting systems in Shedden, Fingal and Union. These estimates were forwarded to the clerks of the various municipalities interested.

Wallaceburg Rural Power District—Plans were completed and work was commenced on the construction of approximately twenty miles of rural line in this district. This system will supply power for the operation of drainage pumps in the township gore of Chatham and also supply power to the police villages of Sombra and Port Lambton. A 4,000-volt feeder panel and switch with metering equipment were installed in the Commission's Wallaceburg distributing station. These lines will be put into operation in December, 1923.

Woodbridge Rural Power District—Arrangements were made for supplying electrical service to the district immediately east of the village of Woodbridge. About two miles of line were built and power was first delivered on January 29, 1923.

ESSEX COUNTY SYSTEM

The Essex County system was purchased by the Commission in 1918 from the Essex County Light & Power Company and has since been largely extended and improved and has been placed in a very favourable condition financially. It is considered advisable by the Commission that the municipalities supplied should submit Hydro by-laws to their ratepayers, sign contracts with the Commission and assume ownership of their respective local distribution systems and assume their share of the liability as partner owners of the system, and steps are being taken by a number of the towns to submit the necessary by-laws at the coming municipal elections.

The capacities of the transformer stations at Amherstburg and at Leamington were increased during the year and numerous extensions and improvements were made to the distribution systems in the towns; considerable extensions were also made in the rural districts.

SEVERN SYSTEM

The investigation of the various undeveloped power sites in the district which was begun last year was continued for the purpose of ascertaining the most suitable and economical source from which to obtain additional power. After careful consideration it has been definitely decided to proceed with an enlargement of the Muskoka development and to deliver power therefrom to the Severn system by means of a transmission line tied in to the latter at Waubaushene. By this means an additional amount of power equivalent to slightly more than fifty per cent of the present capacity of the Big Chute development will be obtainable for the Severn system. In the meantime, the temporary agreement with the Water & Light Commission of the town of Orillia was renewed for a period of another year; the amount of power held in reserve, however, being increased from 800 to 1,200 horsepower.

Engineering assistance of a general nature and advice concerning details of operation were given to the following municipalities from time to time throughout the year: Alliston, Barrie, Beeton, Bradford, Coldwater, Collingwood, Cookstown, Creemore, Elmvale, Midland, Penetanguishene, Port McNicoll, Stayner, Thornton, Tottenham, Victoria Harbor, Waubaushene.

Barrie—The local Commission was given special assistance and advice concerning the installation of an underground system on the main street of the town, inclusive of all primary lines and feeders in the business section, as well as a "white way" ornamental street lighting system. Surveys were made and designs and estimates prepared and submitted. All arrangements are completed for starting the work as early in the coming spring as weather conditions will permit.

Midland—In addition to receiving assistance on matters pertaining to general operation, the local Commission was further assisted in making provision for service to a large industry requiring from 1,500 to 2,000 horsepower, for operating a pulp mill and for the manufacturing of fibre board; a particularly interesting feature of this industry being the utilization of sawmill refuse, heretofore waste material, for the principal portion of its product. Advice was given concerning the agreement for supplying power, the extension of transmission lines and the design and construction of a special substation for this customer.

SEVERN SYSTEM—RURAL

During the year considerable progress was made with distribution of power in rural power districts in various parts of the Severn system. The construction of lines in these districts was, in large measure, a direct result of the effort and educational work of previous years. Details of the work performed in the various rural power districts on the Severn system are as follows:

Alliston Rural Power District—Assistance and information was given to a group of farmers in this district located between the village of Cookstown and the town of Alliston in the township of Tecumseh. Estimates and rates were prepared and submitted and details of individual operating costs discussed with the various parties interested. As yet, arrangements have not been completed for constructing this line.

Barrie Rural Power District—A rural line, arrangements for which were completed last year, was constructed in this district and the electrical energy obtained therefor from the Barrie distribution system. This line provides service for a large number of summer cottages at Shanty Bay and for residents in the adjacent district. The line was made alive and placed in operation during the month of August. The active area in this district has, up to the present time, being confined mostly to the southern portion of Oro township.

Elmvale Rural Power District—An agreement was executed between the Commission and the township of Flos, the greater portion of which lies within this district, and arrangements were completed for providing service for eighteen customers together with the installation of a street lighting system in the hamlet of Phelpston. The material for this work was delivered and instructions issued for performing the work, which will be undertaken during the early part of next year.

Midland Rural Power District—Complete information and assistance was given to a group of farmers near the town of Midland in the township of Tay concerning rural service in that section of the district and before the close of the year arrangements were completed for proceeding with the construction of a rural line, energy to be obtained from the Midland distribution system

Nottawasaga Rural Power District—Various extensions were made to the lines in this district throughout the year, and service was given to several additional customers. This district, which comprises that portion of Nottawasaga township which lies immediately to the south of the town of Collingwood, as well as a portion of the townships of Collingwood and Osprey, is supplied from the Collingwood distribution system and was the first rural power district organized and placed in operation on the Severn system.

Stayner Rural Power District—The summer resort at Wasaga Beach, situated within this district, was given service in the month of July. A line approximately eleven miles long was constructed from the terminus of the Stayner distribution system to serve the district. The various cottages were connected to the line immediately the interior wiring work was completed and before the season closed 129 customers were receiving service. The power demand established by this district was approximately 35 horsepower.

EUGENIA SYSTEM

The investigation begun last year to determine the most satisfactory means of securing additional power for the Eugenia system was continued and it was finally decided to construct a tie line to tie in with the Niagara system and to install a frequency changing station at Mount Forest for the purpose of changing the frequency and voltage of the Niagara lines to conform to the voltage and frequency of the Eugenia lines. The necessary transmission lines and substation for this purpose were installed and placed in operation during the year. In addition to the Niagara connection, it was also decided to provide a second pipe line at Eugenia development for the purpose of increasing the plant capacity by approximately 2,000 horsepower. Contracts for this work were let, and it is expected that the work will be completed early in the new year.

A meeting of the "Association of the Eugenia System Municipalities", details of the formation of which were given in the last Annual Report, was held in Owen Sound on May 30, 1923. Delegates from the various municipalities were present, as well as various members of the Commission's staff and a complete discussion took place at this meeting concerning all matters relating to the finances of the Eugenia system and the plans of the Commission in providing for an additional supply of power to supplement that obtained from the development at Eugenia falls. The arrangements covering the installation of the frequency changing station at Mount Forest and the transmission line between the Eugenia and Niagara systems, together with the details concerning the installation of the second pipe line at Eugenia, were explained in detail.

General engineering assistance and advice concerning method and details of operation were given to the following municipalities from time to time throughout the year: Arthur, Chatsworth, Chesley, Dundalk, Durham, Elmwood, Flesherton, Grand Valley, Hanover, Holstein, Kincardine, Lucknow, Markdale, Mount Forest, Neustadt, Orangeville, Owen Sound, Priceville, Ripley, Shelburne, Tara, Teeswater and Wingham.

Certain municipalities, in addition to receiving general engineering assistance concerning the operation of the local Hydro systems, received special engineering advice and assistance with respect to a number of matters which are fully referred to as follows:

Fordwich—Information was submitted to this municipality involving the design and installation of a generating station and distribution system together with estimates covering the cost thereof, and this installation was so planned that it could be utilized satisfactorily until Hydro service was available. The system, however, was so arranged as to permit change to the latter with a minimum expense.

Meaford—A money by-law for $65,000 was submitted to the ratepayers at the January elections and carried. This by-law provided for an issue of debentures to take care of the purchase of the private plant and the reconstruction of the distribution system. A contract was executed between the municipality and the Commission covering Hydro service and arrangements completed for providing this by means of an extension of the Eugenia system transmission lines and the installation of a substation to transform the voltage to that suitable for local distribution. A distribution system, including a complete rearrangement of the street-lighting circuits, was designed and special assistance was given to the local officials in reconstructing the existing system to conform to the new plan. Special assistance was also given to this municipality in completing the purchase of the local distribution system from the private owners and in arranging for service therefrom until Hydro power could be delivered. Engineering advice was also given concerning the installation of electric motor driven pumps for the waterworks plant, replacing the present steam driven units.

Paisley—A distribution system was designed and constructed by the Commission for this municipality and placed in operation on August 13, 1923, service being given over a 4,000-volt line fed out of Chesley substation and terminating at the village limits. Special assistance was given to the local officials in placing the new system in operation.

EUGENIA SYSTEM—RURAL

Information pertaining to rural service was submitted to various townships in the Eugenia system. This information, which included the preparation and submission of estimates and rates, advice concerning proper procedure to be followed for obtaining service and operating rural lines, and data as to the individual cost for various customers, was given to the following townships: Derby, Egremont, Kinloss, Melancthon, Normanby and Proton. These townships have not yet been organized into active rural power districts.

Flesherton Rural Power District—Special assistance was given to this district by completely reconstructing the distribution system in the hamlet of Eugenia. The boundaries of this district include that portion of Artemesia adjacent to the hamlet of Eugenia and the village of Flesherton, as well as a portion of the township of Osprey.

WASDELLS SYSTEM

Engineering assistance of a general nature was given throughout the year to the various towns comprising the Wasdells system. This assistance, which included advice concerning the application of rates, making extensions to the local distribution systems, service to power customers and other matters, was given to the following towns: Beaverton, Brechin, Cannington, Kirkfield, Port Perry, Sunderland, Uxbridge and Woodville.

Victoria Road—Special assistance was given to the hamlet of Victoria Road in providing service from the Kirkfield substation. A syndicate was formed called the "Victoria Road Mutual Electric Association" consisting of practically all of the consumers in the hamlet, which undertook to construct a local distribution system and a connecting transmission line to the Kirkfield substation. Power is sold to the Association by the Commission and measured at the latter point. About twenty lighting customers and one power customer are receiving service in this hamlet.

WASDELLS SYSTEM—RURAL

General assistance pertaining to operation was given to various townships in the Wasdells district in which existing rural distribution systems are located. This assistance was given to the townships of Brock, Eldon and Thorah. Rural lines have been operated in these townships for several years, but due to certain difficulties they have not yet been organized into standard rural power districts. It is anticipated that these difficulties will be overcome during the coming year.

Special assistance was given to the following rural power districts:

Mariposa Rural Power District—A distribution system was constructed in this district and placed in operation during the month of September, service being given to 36 farms as well as to 76 customers in the hamlets of Little Britain and Oakwood. The boundaries of this district include the greater portion of the township of Mariposa.

Port Perry Rural Power District—A distribution system was constructed and placed in operation during the year in the hamlet of Greenbank in Reach township, service being given to twelve hamlet customers in that locality. The boundaries of this district comprise the greater portion of Reach township as well as the whole of Scugog township.

MUSKOKA SYSTEM

An investigation was made during the year respecting the construction of an extension to the development serving this district to take care of the growing loads on the system as well as to furnish the surplus power not required in the Muskoka district to the Severn system. It has been decided to proceed with this work as early as possible in the new year. Engineering assistance and general advice concerning details of operation were given at various times throughout the year to the municipalities of Gravenhurst and Huntsville, which comprise this system.

ST. LAWRENCE SYSTEM

The present fiscal year has been one in which the increase of power supplied to industries on this system is of note. The amount of power required to meet the needs of all customers is nearly double the amount needed in the previous fiscal year. The Eugene Phillips Electrical Works, Limited, first took a supply from the system in November, 1922, and the plant formerly known as the Cornwall Pulp Company, started operations again in February, 1923, under new control. All municipalities have increased their power demands over previous years, and a number have been able to reduce the rates to users.

Alexandria—The demand for power for this municipality, for 1923, has increased approximately 35 per cent over power demand taken in 1922. Additional power consumers were given service during the year. An extension of the distribution system is proposed, to supply an industrial load of 60 horsepower and several lighting consumers in the hamlet of Green Valley which is about three and one-half miles south of Alexandria.

Apple Hill—Several new lighting consumers were connected during the year. Due to this, the power demand of this municipality shows an increase of approximately nine per cent over the demand taken in 1922.

Brockville—A reduction of rates to customers was made during the year, due to the reduced cost of power supplied to the municipality. The quantity of power delivered to the Eugene Phillips Company has been the cause of this reduced cost of power. The municipal load has also increased and reductions have been made in operating costs by the municipal officials. These factors have also helped to effect rate reductions.

Cardinal—In 1922, estimates on the cost of power and of a distribution system, as well as a report on the value of the present plant, were submitted to the Council of the municipality, but in 1923 further information was not requested by the Council owing to the owners of the present plant reconstructing a portion of the distribution system in order to render more satisfactory service.

Chesterville—The power demand for 1923 has increased approximately seventeen per cent over that taken in 1922, due to the increase in demand for power for industrial purposes.

Finch—Rural meetings were held in Finch township during the year for the purpose of obtaining the co-operation of rural residents to take service from the proposed transmission line from Chesterville to Finch. Estimates were prepared on the cost of power to Finch, without any rural load on the line, but sufficient contracts were not obtained in Finch village to warrant the construction of a transmission line from Chesterville.

Hawkesbury—During the year, a request was received from this municipality for estimates on the cost of delivering 1,000 and 2,000 horsepower, and also, of the value of the present distribution system. These estimates and valuation were prepared and submitted. It was proposed to supply this municipality from an extension of the 44,000-volt line from Alexandria. A further request was received for estimates on delivery of 3,000 and 4,000 horsepower.

Lancaster—The power load of this village increased approximately twenty per cent over the power taken for 1922. There has been a considerable increase in the number of lighting consumers.

Martintown—There has been during the year an increase in the number of lighting consumers and an increase of approximately ten per cent in the demand for power of the municipality.

Maxville—During the year, there were additional lighting consumers and one additional power consumer connected to the distribution system. The power load taken by this village is increasing, the increase for 1923 being approximately 23 per cent. Public meetings were held in the rural district, during the year, for the purpose of obtaining consumers in the rural district north and west of Maxville, but sufficient interest was not taken by the rural residents to warrant any extension being made.

Prescott—There was a reduction in all rates in this municipality on account of the good financial condition of the local utility and the surplus made in 1922. The cost of power supplied to the municipality is also reduced.

Williamsburg—During the year, the power required for lighting has increased and in consequence the demand of this police village has, for this year, increased approximately 23 per cent over the demand taken for 1922.

Winchester—There was an increase during the year in the number of lighting consumers and also an increase in the use of appliances, and, in consequence, the power for the municipality increased approximately fifteen per cent.

ST. LAWRENCE SYSTEM—RURAL

During the year preliminary engineering investigations were carried on in rural districts not established, and numerous meetings were held in various localities at the request of township councils and interested communities.

Apple Hill Rural Power District—During the year, an agreement was entered into with the township of Kenyon to supply rural residents in this township, which is part of the Apple Hill rural power district.

Brockville Rural Power District—The operating statement of the previous year showed a sufficient surplus to enable the Commission to make a reduction in rates to most customers in this district. An effort was made to interest sufficient parties west of Brockville, so that a transmission line could be extended to Lyn, Mallorytown and other places in the district.

Chesterville Rural Power District—A number of meetings were held in this district at which the question of electrical rural service was discussed and explained. Changes were made so that the district may be supplied direct from the Chesterville substation.

Martintown Rural Power District—During the year, additional consumers were added and extensions were made to the distribution system in this district.

Maxville Rural Power District—Public meetings were held in Maxville and Moose Creek during the year, for the purpose of submitting information on cost of service to rural residents, but as yet sufficient contracts have not been obtained to warrant the construction of a distribution system.

Prescott Rural Power District—About thirteen consumers have been added to this district during the year, one of these being a planing mill using 20 horsepower. The village of Spencerville, which is part of the system, has also installed a street lighting system.

RIDEAU SYSTEM

Owing to the growth of load on the High Falls plant and to the failure of one of the storage dams at Mazinaw lake, a severe shortage of water was experienced during the winter months on the Rideau system. The Rideau Power Company was also unable to deliver the usual amount of power during this period owing to water conditions on the Rideau river, and a shortage of power seemed inevitable. The Commission anticipated this situation by taking over the municipal steam plant at Smiths Falls, putting it in running condition and operating it for about six weeks, while some power was also obtained from the Commission's plant at Carleton Place. By means of these measures and the co-operation of the municipalities concerned, the shortage of water was not seriously felt, and although the use of a steam plant has considerably increased the operating costs, the system has completed a very successful financial year and may now be considered as operating under the most economical conditions possible, with all plants nearly loaded. Provided the Grenville Crushed Rock Company ceases operations in another year, as was its original intention, sufficient power may be available to carry the municipalities for some time, but at present the system has no appreciable amount of power available for future development.

Carleton Place—The load in this municipality shows a considerable increase over that of last year as there have been considerable extensions made by the various industrial concerns in this town. A reduction in the lighting rates was made during the year.

Kemptville—A considerable reduction in rates was made in this village, during the year, to all classes of consumers, and the rate for power paid to the Commission was also lowered. This was the result of the excellent financial showing made by the village in the operation of its local system during 1922. Assistance was given to this municipality in a legal action brought against it by the Kemptville Milling Company, and this action was decided in favour of the village, which obtained judgment with costs and damages on a counterclaim. An appeal was entered, but a settlement between the parties has now been reached.

Lanark—This village, which has a population of about 500 people, closed its first year's operation with a surplus of $1,185.06. Rates for lighting and power have been considerably reduced.

Perth—The analysis of operation prepared by the Commission shows that this municipality has been making a considerable profit on its lighting business. The Commission, therefore, recommended reductions in rates to the domestic and commercial lighting consumers, and these have been adopted by the Perth Commission.

Smiths Falls—The load in this municipality has been well maintained and the local operating conditions have been improved. Considerable work has been done, improving the old distribution system.

THUNDER BAY SYSTEM

Arrangements were completed during the year for constructing an extension to the development at Cameron falls on the Nipigon river, which supplies power to the Thunder Bay system, which at the present time consists of the municipality of Port Arthur only. This extension is required to take care of the growing load in the municipality of Port Arthur, which has greatly increased during the past year, as well as to provide energy for additional customers such as pulp and paper mills at Fort William and Nipigon village. Negotiations were carried on with the Kaministiquia Power Company concerning an interchange of power for emergency purposes and a proposed agreement was drawn up and submitted to the company. This agreement has not yet been executed. Arrangements were made for supplying power to a large pulp and paper mill located in Fort William and an agreement was drawn up and executed accordingly. Information was submitted and an agreement negotiated with a large concern which had arranged to purchase the pulp mill formerly operated by the Nipigon Fibre Company at Nipigon village. Arrangements were perfected for serving this mill early in the coming year.

OTTAWA SYSTEM

Ottawa—The power demand continues to increase at a rapid rate in this municipality. Early in the year an additional block of 2,000 horsepower was reserved for delivery in October, 1923. The municipality now holds in reserve nearly three-quarters of the total power available for it under agreement, and some attention is being given to the question of securing additional sources of power to meet future needs of the municipality.

Nepean Rural Power District—The number of consumers has shown a considerable increase during the year, and the amount of power used has been doubled. An additional power contract for 25 horsepower has been received. Extensions to the transmission lines were made to supply new customers.

CENTRAL ONTARIO AND TRENT SYSTEM

During the year 1923, owing to comparatively quiet commercial conditions, there was no unusual increase in industrial load on the system. However, the normal growth of load, particularly in domestic lighting and other domestic uses, has absorbed the output of the new generating station at Ranney falls which was placed in operation in August, 1922.

Investigations have been made of the economic value of the various power sites on the Trent river, and on the basis of the largest amount of power available and the shortest distance of transmission, the sites at Dams eight and nine were chosen for immediate development. The developments will produce, jointly, approximately 10,000 horsepower, and are now under construction.

Other sites on the Trent river are of small capacity or remote from load centres, and the most economical method of producing further power from the Trent river is by means of storage works. Surveys and investigations carried on for the past two years have indicated that enlargement of the storage basins on the Crow river, which is tributary to the Trent river, offers the most economical means of storage of water in large volume. A dam has already been constructed at the foot of Kashabog lake in the Crow river watershed, and other works are projected.

Belleville—Estimates are in preparation for the work of changing the distribution voltage from 2,400 volts delta to 4,160/2,400 volts star. This work will involve extensive changes in the substation.

Bowmanville—The distribution voltage at Bowmanville was changed from 2,400 volts delta to 4,160/2,400 volts star. This change was carried out in order to meet the growing demands for power without making large capital expenditures on distribution copper.

Brighton—The Presqu'Ile Park Summer Hotel Co. entered into a contract for electric service. It constructed approximately five miles of pole line to transmit the power purchased from Brighton to Presqu'Ile Point. A canvass will be made next summer with the object of obtaining sufficient consumers to warrant the Hydro-Electric Power Commission taking over the line and supplying service to summer residents, as well as to the Hotel Company.

Kingston—Improvements in the local system were carried out. These included new feeder panels in the substation and larger copper in the feeders. The local commission is constructing an addition to its office building which will provide greatly improved office accommodations, and bring all departments to a common point.

Lindsay—The programme for the reconstruction of the distribution system in the southern section of the town was completed. A marked improvement in appearance and operation is noticeable.

Napanee—Estimates are in preparation for improved street lighting on King street and in front of the town hall.

Oshawa—The rapid growth of Oshawa has necessitated many extensions and betterments to the distribution system during the year. Alterations and improvements to the substation are contemplated, including the installation of additional feeders, and the laying of underground cables from switchboard to terminal poles.

Peterborough—The Peterborough Utilities Commission is completing the construction of a new substation. Power will be received at 44,000 volts and will be stepped down for distribution at 2,200 volts. Three 1,500-kv-a. transformers are being installed, and space is provided for future installations up to a total of 12,000-kv-a.

In order to supply 600-volt, direct-current power for the operation of the Peterborough Radial railway, and at the same time improve the power factor

of the Peterborough load, a synchronous motor-generator set is being installed in the new substation jointly by the local Commission and the Hydro-Electric Power Commission of Ontario. The synchronous motor has a capacity of 1,500-kv-a. and is direct-connected to a 500-kw., 600-volt, d-c. generator. The excess capacity of the synchronous motor will be used for the correction of power factor.

The 2,200-volt equipment in the substation includes both a main and an emergency bus.

Reconstruction of the distribution system has been continued during the year.

Trenton—The ornamental street lighting system was completed as described in the 1922 Annual Report. The resulting street illumination is entirely satisfactory.

Tweed—Extensive improvements have been made to the local distribution system.

Warkworth—The police village of Warkworth passed enabling and money by-laws and entered into a contract with the Commission. Construction was completed and lines were made alive in Warkworth on October 4. The police village trustees are considering an extension of the system to serve an area in the township which is practically part of the village.

Whitby—A valuation of the electric plant of the Public Utilities Commission was completed and the standard system of accounting installed.

CENTRAL ONTARIO AND TRENT SYSTEM—RURAL

Estimated rates based on the provisions of the Hydro-Electric Distribution Act were, at the request of the municipalities, forwarded to the following townships: Darlington, Emily, Haldimand, Madoc, Otonabee, Percy and Verulam.

The Commission approved of rural power districts as follows: Bowmanville R.P.D., Trenton R.P.D.

The first three miles of the Kingston township system were completed in January, 1923.

An extension to the Kingston system to serve Westbrooke and Collins Bay was completed in September, 1923.

Construction of another two and one-half mile line in the Kingston district is proposed.

A rural line is proposed on the Kingston road west of Trenton and will be completed before December 31.

Contracts have been signed and construction will be completed this year for a mile of rural line west of Bowmanville.

An active canvass is going on in Haldimand and Cramahe townships adjacent to the village of Grafton.

NIPISSING SYSTEM

Construction of a new development at Bingham Chute near Powassan was undertaken for supplying additional power to this system and it is expected that the first unit will be placed in operation early in the coming year. Plans were perfected for enlarging the capacity of the existing development and it is expected that larger units will be placed in operation at this development at

an early date. Arrangements were completed for serving the village of Powassan from the new development at Bingham Chute, the existing equipment in the Powassan substation being moved to the village of Callander. The distribution system in the town of North Bay was enlarged and extended to take care of the increased demands for electrical energy in that municipality.

NEW ONTARIO DISTRICT

Assistance was rendered to certain municipalities in the northern portion of the Province which have not yet executed agreements with the Commission, but which requested advice concerning the possibilities of the development of local water powers, for the purpose of supplying their own power requirements. An investigation was made concerning the power possibilities of various sites, and the results of such, together with estimates of cost of development, were submitted. The streams considered in connection with this work were the Vermilion, Aux Sauble, French and St. Marys rivers. This work was performed for the municipalities of Capreol, Massey, Sault Sainte Marie, Sturgeon Falls and Sudbury.

RURAL DISTRIBUTION

During the last few years, changes of a radical nature have been made both in methods of dealing with the distribution of rural power and in the legislation relating to this portion of the Commission's activities.

Under the Power Commission Act, as amended in 1911 and 1917, provision was made for township councils to secure estimates from the Commission, on the cost of distributing power to rural petitioners. Each township could issue debentures to cover the cost of any works required to supply any petitioners consenting to take service, and the township entered into agreement with the Commission for a power supply. Under this legislation, a small number of townships arranged to secure power from the Commission and a few localities obtained service in this manner.

While, in general, this scheme permitted a few to secure service in limited areas where the density of business was greater than the average, or in situations close to existing distribution lines, yet it did not permit the widespread extension of rural electrical service because the rates charged were less than would be necessary in order to serve larger areas of average density. Also this arrangement permitted each township to deal with its own requirements without taking into consideration the fact that, as a rule, geographical areas not conforming to the township boundaries could be more economically served from centres of electrical distribution or suitable available power centres.

As a consequence of the need for better legislative facilities in order to make power distribution in rural communities practicable, an amendment to the Power Commission Act was passed, to take effect from June 4, 1920. This amendment comprised the addition of Part II B, "Construction and Operation of Distribution Works in Rural Power Districts". Under this amendment the Commission may define areas wherein it will construct and operate works required to serve customers who contract with the townships for electric service. The townships included in these Rural Power Districts enter into contracts with the Commission and assume the liability for all expenditures made by the Commission in connection with the supply of electric service to consumers in the township.

The cost of transmitting and distributing small quantities of power in these rural power districts, where the distance between customers is great, necessitates rates which are considerably higher than the rates in urban centres, where the consumers are located close together. In order partially to meet this disparity in the cost an Act was passed, in 1921, providing for the granting, by the Provincial Government, of half the cost of all primary lines constructed by the Commission in the Rural Power Districts. The funds for such purposes are paid out of such money in the Provincial Treasury as is collected by the Government from water rentals.

During the early part of the period in which these changes were made, the Commission made extensive investigations to determine a satisfactory solution to the practical problems of distributing power in rural communities. One conclusion reached was that at least an average of three farmers per mile of line constructed must take electric service in order to make it economically feasible for farmers to take service and make these systems self-supporting, and a rule has been established making it necessary to secure the equivalent of three Class III rural contracts per mile of primary line constructed before a grant is requested from the Government. A classification of customers was established so as to distribute equitably the cost to users, and from estimates on average standard lines rates were set up for each class of user.

RURAL EXTENSIONS

During the year, there were 216 miles of overhead primary line constructed and 21 miles of underground primary line, and arrangements have been completed to construct a large number of additional rural lines during the coming year.

The following tabulation shows, in detail, the extensions approved this year, the number of consumers, the capital, the amount of the bonus and the load taken:

Miles of line			225.14
Number of consumers			
	Hamlet	Farm	
Niagara system	1,049	640	
Essex County system	85	....	
Severn system	231	13	
Eugenia system	5	....	
Wasdells system	74	43	
St. Lawrence system	10	2	
Ottawa system	7	4	
Central Ontario and Trent system	23	43	
Totals	1,484	745	2,229
Total capital approved for primary line extensions			$486,589.09
Amount of bonus approved by Order-in-Council			$147,796.82

Power supplied in rural districts to serve farm, hamlet and power customers

	Horsepower
Niagara system	3,174
Severn system	31
Eugenia system	10
Wasdells system	63
St. Lawrence system	77
Ottawa system	60
Central Ontario and Trent system	99
Total	3,514

New contracts were executed by 40 townships of which 28 are already being served. At the request of various township councils 69 meetings were held in different parts of the Province at which the question of rural power supply was discussed and explained in detail. At most of these meetings committees were appointed to pass on to those interested this information regarding distribution of power in rural districts, the uses that might be made of the power when it is available and general information regarding equipping the premises for light and power.

To date the Commission, under contracts, has built lines to serve consumers in the following townships:

Niagara System: Ancaster, Barton, Bertie, Beverly, Biddulph, Blandford, Blenheim, Bosanquet, Brantford, Burford, Caradoc, Chatham, Chinguacousy, Clinton, Crowland, Delaware, Dereham, Dorchester North, Dorchester South, Dover East, Dumfries North, Dumfries South, Easthope North, Easthope South, Ekfrid, Etobicoke, Flamboro East, Grantham, Harwich, Hay, Howard, Humberstone, King, Lobo, London, Louth, Maidstone, Malahide, Markham, Middleton, Moore, Mosa, Niagara, Nissouri East, Nissouri West, Norwich North, Norwich South, Oakland, Orford, Oxford East, Oxford North, Oxford West, Raleigh, Rochester, Saltfleet, Sandwich East, Sandwich South, Sandwich West, Sarnia, Scarboro, Sombra, Southwold, Stamford, Stephen, Thorold, Tilbury East, Toronto, Townsend, Trafalgar, Usborne, Vaughan, Waterloo, Wellesley, Westminster, Willoughby, Wilmot, Woodhouse, Woolwich, Yarmouth, York, York North, Zorra East.

Essex County System: Anderdon, Gosfield South.

Severn System: Flos, Nottawasaga, Oro, Sunnidale, Tay.

Eugenia System: Artemesia, Bentinck, Brant, Derby, Kinloss.

Wasdells System: Brock, Eldon, Mariposa, Mara, Reach, Thorah.

St. Lawrence System: Augusta, Charlottenburg, Edwardsburg, Elizabethtown, Kenyon, Lancaster, Winchester.

Ottawa System: Nepean.

Central Ontario and Trent System: Darlington, Kingston, Murray, Pickering, Whitby, Whitby East.

Summaries of information relating to rural lines extensions, including expenditures and bonuses, are, for the townships just listed, presented below.

SUMMARY OF RURAL LINE EXTENSIONS

(a) Operation previous to June 1, 1921.
(b) Approved by the Commission from June 1, 1921, to October 31, 1923.

Miles of primary lines			
(a)		305.54	
(b)		753.05	
Total			1,058.59
Number of consumers			
(a) Suburban	6,030		
Hamlet	1,087		
Farm	1,652		
		8,769	
(b) Hamlet	3,071		
Farm	2,170		
		5,241	
Total			14,010
Contracts not yet connected			2,098
Total rural capital expenditure approved to October 31, 1923			
(a)	$517,911.77		
(b)	1,607,113.35		
Total			$2,125,024.12
Government bonus approved by Order-in-Council to October 31, 1923			
(a)	$154,651.90		
(b)	467,612.53		
Total			$622,264.43

When contracts between the consumer and the township have been executed, users of power in townships are supplied with service under classifications as set out below. Following the classification a table is presented showing the class demands in horsepower, the estimated monthly consumption in kilowatt-hours and the estimated net annual service charge in a 25-cycle district.

CLASSIFICATION OF SERVICES FOR RURAL DISTRICTS

Class I: Hamlet Service—Includes service in hamlets, where four or more customers are served from one transformer. This class excludes farmers and power users. Service is given under three sub-classes as follows:

1-A: Service to residences where the installation does not exceed six lighting outlets or twelve sockets. Use of appliances over 600 watts is not permitted under this class.

1-B: Service to residences with more than six lighting outlets or twelve sockets, and stores. Use of appliances over 750 watts permanently installed is not permitted under this class.

1-C: Service to residences with electric range or permanently installed appliances greater than 750 watts.

Special or Unusual loads will be treated specially.

Class II-A: House Lighting—Includes such contracts as residences which cannot be grouped as in Class I. This class excludes farmers and power users.

Class II-B: House Lighting—Includes lighting of buildings and power for miscellaneous small equipment and power for single-phase motor not exceeding 2-horsepower, or an electric range (range and motor not to be used simultaneously) on a small farm of 10 acres or less in fruit growing districts and 50 acres or less in mixed farming or dairy districts.

Class III: Light Farm Service—Includes lighting of farm buildings, power for miscellaneous small equipment, power for single-phase motors, not to exceed 3-horsepower demand, or electric range. Range and motors are not to be used simultaneously.

Class IV: Medium Single-Phase Farm Service—Includes lighting of farm buildings and power for miscellaneous small equipment, power for single-phase motors, up to 5-horsepower demand, or electric range. Range and motor are not to be used simultaneously.

Class V: Medium 3-Phase Farm Service—Includes lighting of farm buildings and power for miscellaneous small equipment, power for 3-phase motors, up to 5-horsepower demand, or electric range. Range and motor are not to be used simultaneously.

Class VI: Heavy Farm Service—Includes lighting of farm buildings and power for miscellaneous small equipment, power for motors up to 5-horsepower demand, and electric range, or 10-horsepower demand without electric range.

Class VII: Special Farm Service—Includes lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand, and electric range.

Class VIII: Syndicate Outfits—Includes any of the foregoing classes which may join in the use of a syndicate outfit, provided the summation of their relative class demand ratings is equal to the kilowatt capacity of the syndicate.

CLASS DEMANDS, ESTIMATED CLASS CONSUMPTION AND ESTIMATED SERVICE CHARGE IN 25-CYCLE SYSTEM RURAL POWER DISTRICTS

Class	Name	Class demand horse-power	Estimated monthly consumption kilowatt-hours	Estimated net annual service charge
				$ c.
I	Hamlet Service (a)	⅔	10	17.59
	Hamlet Service (b)	1	15	20.50
	Hamlet Service (c)	2⅔	150	36.44
IIA	House Lighting	1⅓	15	30.05
IIB	House Lighting	2⅔	25	48.40
III	Light Farm Service	4	40	60.82
IV	Medium Single-Phase Farm Service	6⅔	70	66.94
V	Medium Three-Phase Farm Service	6⅔	70	84.50
VI	Heavy Farm Service	12	150	130.97
VII	Special Farm Service	20	300	354.14

Note:—The service charge in 60-cycle system districts is slightly lower.

ASSISTANCE TO MUNICIPALITIES RESPECTING MERCHANDISING AND SALES PROMOTION

During the last fiscal year, the Commission has been serving many municipalities, both large and small, by purchasing for them supplies of various kinds required for construction work or in connection with the operation of the local systems. It has also purchased for the municipalities electrical appliances for resale to their customers.

The supplying by the Commission of material for construction and operation is confined generally to the smaller municipalities which lack the facilities which the Commission has for purchasing quickly and economically the right kind of material. The Commission keeps itself posted continuously on prices of all kinds of material required by all municipalities, and is able to give on short notice any information that municipalities may require respecting prices and delivery. The majority of the smaller municipalities take advantage of this service by requesting the Commission to purchase the material they require.

During the past year the Commission purchased for 261 municipalities material to the value of $558,000.

Besides acting as a medium for the purchase of various kinds of material for municipalities on the Hydro systems, the Commission has been engaged in the marketing of the Hydro lamp. The Hydro lamp, it may be explained, is a lamp manufactured for the Commission under specifications designed by Commission engineers to meet the demands of the various Hydro municipalities for a high quality, long life, incandescent lamp. Through the medium of the various Hydro shops the lamp, under a long-life guarantee of 1,500 hours, is marketed to the public with considerable success. It has been established by laboratory test, and by actual use by consumers, that the Hydro lamp is being manufactured according to specifications and is fulfilling the guarantee of the long life claimed for it.

An advertising campaign was launched involving the distribution of newspaper cuts among the various Hydro shops to assist them in their newspaper advertising; the distribution of blotters advertising Hydro lamps among the various Hydro shops for further distribution to their customers; the introduction and the distribution to the important distributing centres of a counter display rack for displaying lamps of various sizes to prospective customers; and the preparation and distribution of satisfactory window transfers for advertising lamps.

These efforts which have been supplemented by advertising in the "Hydro Lamp", referred to below, should tend to increase materially the lamp business for the coming year.

To assist in keeping the Hydro lamp up to standard an inspector is maintained at the factory of the manufacturer, periodic checks are made by the Commission's laboratory engineer of factory methods and manufacturing data, and a certain percentage of lamps is forwarded to the laboratories for minute examination and life test. These precautions ensure a comparatively uniform product of high quality.

From laboratory tests which have been produced within the past six months practically every size of lamp manufactured for the Commission has more than fulfilled the specifications and if the present method of manufacturing can be maintained Hydro lamps should in a very short time become an important factor in the electrical merchandising field.

The Commission has also during the past year edited and produced a sales bulletin, "The Hydro Lamp", for distribution among the many Hydro consumers in the Province. The objects sought by the distribution of this bulletin are as follows:

1. To inform the Hydro consumers in a general way about the Hydro-Electric Power Commission and its activities.

2. To explain to Hydro consumers the advantages to be gained by a full use of hydro-electrical energy in the home and in the factory.

3. To keep customers posted on important matters regarding the operation of the Hydro systems generally, and municipal systems in particular.

This bulletin is prepared and distributed to the various municipalities in the Province who are co-operating in this scheme of advertising and they make distribution of the individual pamphlets to their consumers, either with the monthly lighting bill, by mail, or by special delivery, to ensure the dispatch of one copy per month to each of their customers.

Commencing with a very small subscription list, the publication has reached a circulation of 230,000 copies per month, and this promises to increase materially during the next year, During the past year the number of copies distributed reached a total of 2,660,000, and it is estimated that this circulation has materially increased the use of hydro-electrical energy by various means in the homes of the Province.

A number of municipal officials, who are engaged in various capacities in the Hydro shops have received instructions in merchandising methods and also in accounting practices. A system of accounting has been devised to show separately the results of the operations of Hydro shops in the Province and has been installed in several municipalities and operated successfully. The first municipality in which the system was put into working order was Stratford, and during the past year instructions were given, and the system either partly or completely installed in the municipalities of Chatham, Collingwood, Galt, Kitchener, London. Midland, Niagara Falls, Peterboro, St. Thomas, Sarnia, Stamford Township, Walkerville and Windsor.

This system of accounting provides for the keeping of a separate set of books and permits the preparation of a separate balance sheet and operating report of the Hydro shop's operations either annually or periodically during the year. It provides also for keeping the records in sufficient detail to show the relation of expenses to turnover, and profit to turnover. It also shows whether or not a shop using the system is operating in a satisfactory manner, and whether or not it is conducting its affairs on a strictly commercial basis, by being self-sustaining and bearing its just share of operating expenses.

It is proposed during the coming year to extend the operation of this system of accounting to every municipality engaged in merchandising electrical appliances.

SECTION IV

HYDRAULIC ENGINEERING AND CONSTRUCTION

During the fiscal year, 1923, much work of a varied nature was carried out by the Hydraulic department. The work of installation of additional units in the Queenston power house, and dredging operations in the Welland river, continued throughout the year. Unit No. 5 was placed in operation and work on unit No. 6 was brought nearly to completion.

An extension of the Nipigon plant was started to supply additional power for the Thunder Bay system.

At Dams Nos. 8 and 9, on the Trent river, are two new developments, which are being made to increase the capacity of the Central Ontario and Trent system, while extensive surveys were carried out to determine the possibilities of creating additional storage reservoirs.

A further supply of power for the Nipissing system was developed during the year at Bingham Chute. It is expected that the first unit will be ready in the very near future. For the purpose of augmenting the flow for this development surveys of possible storage sites were carried on during the summer with a view to construction in the ensuing year.

Surveys and studies have also been made covering various problems, and many valuable data have been collected covering the power possibilities of the province.

In the following pages, more detailed information is given covering the foregoing and other activities of the Hydraulic department.

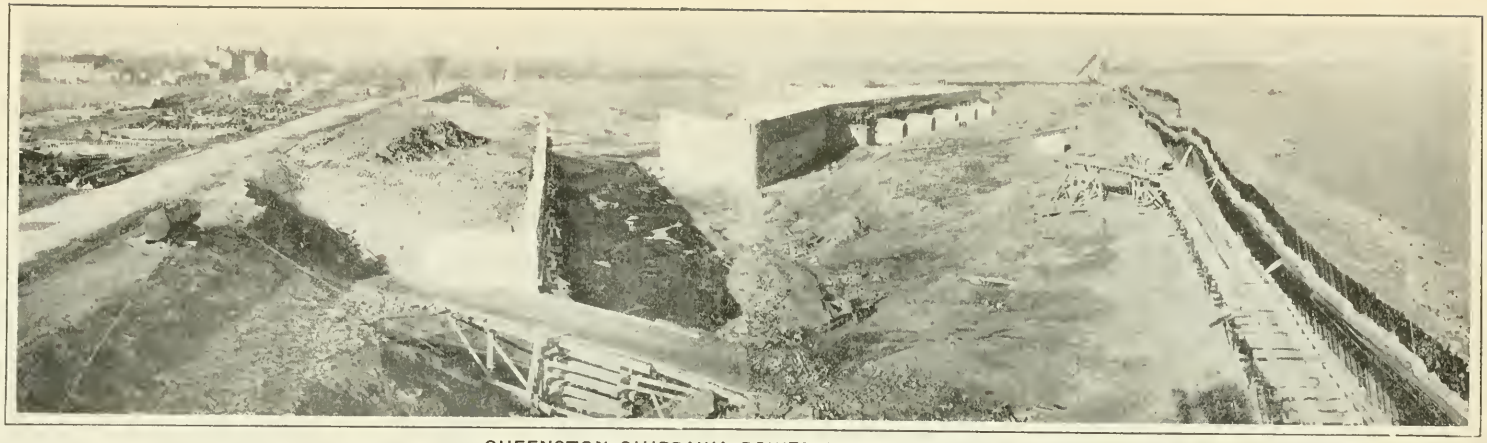
NIAGARA SYSTEM

QUEENSTON-CHIPPAWA DEVELOPMENT

Hydraulic Construction

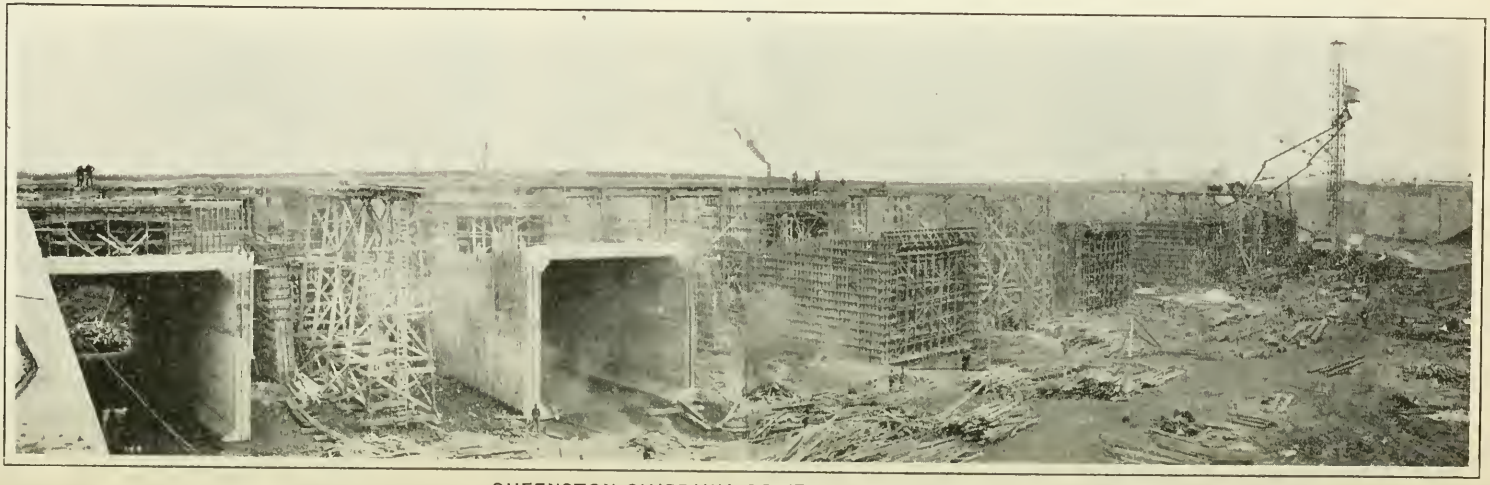
Up to the beginning of the fiscal year of 1922-1923, the attention of the Hydraulic department had been directed mainly to the operation of those works essential for the production of power to meet the ever-increasing demand. This included the prosecution of the initial programme to place in commercial operation the first five units at the power house, together with the enlargement of the channel of the Welland river and the upper section of the canal, to meet the resulting demand for sufficient water. For this purpose it was necessary to complete the rock section of the canal, the forebay and the first section of the power house.

During 1923, in addition to the extension of the power house for three additional units, the dredging programme was enlarged and considerable work was done for the protection of the earth banks of the canal.



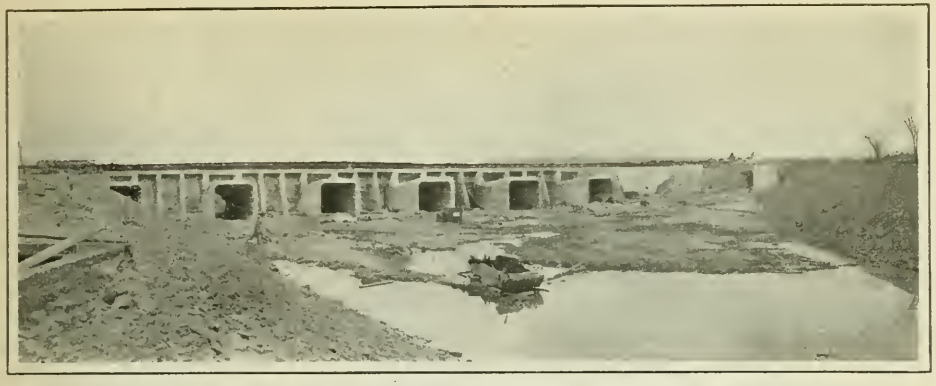
QUEENSTON-CHIPPAWA POWER DEVELOPMENT

Intake structure. General view of outer side with portion of cofferdam at right. Note crane removing sheet piling from cofferdam in background and the Queen-Victoria Parkway at the left



QUEENSTON-CHIPPAWA POWER DEVELOPMENT

Intake structure. General view of inner side showing construction operations, November 2, 1922



QUEENSTON-CHIPPAWA POWER DEVELOPMENT

Intake structure. General view of inner side showing intake practically completed, December 4, 1922. Compare with lower photograph on page 76, taken one month earlier

By maintaining a reasonable schedule of construction it has been possible for the first time to do work beyond that essential for immediate needs, thus providing to some extent for ultimate requirements, particularly in respect to the safeguarding of the canal against possible future damage from earth and rock slides and other causes.

Arrangements have been carried over from the previous year in reference to the sale of used equipment, and a considerable portion of the materials and plant left over from the construction of the work has been disposed of satisfactorily.

In addition to ordinary engineering and construction activities, large demands were made on the time of the engineering and clerical staff in connection with matters under investigation by the Hydro-Electric Inquiry Commission; for this purpose voluminous statements and estimates were prepared by the Niagara and Toronto offices and duly submitted for transmission to the proper authorities.

The appropriation of a sum of money for investigations in respect to possible future development at Niagara Falls led to the detailing of a survey party to secure data in the field, which, combined with existing information, will be utilized as a basis for preliminary designs and estimates.

Some of these undertakings are in an advanced state of progress, but there yet remains a very considerable amount of work to be carried over into the coming year.

The Queenston-Chippawa development was operated throughout the winter months under somewhat exceptional conditions. The river and canal section in earth were only partially excavated, and this fact, together with the enforced use of a temporary intake at Chippawa without adequate ice protection, gave rise to considerable attention and anxiety on the part of the resident engineering staff.

Intake

On December 17, 1922, water was first admitted into the intake structure, following the completion of the excavation and concrete work required under "Operation No. 1" for the initial development for 275,000 horsepower.

This event marked the beginning of the end of operations which had extended intermittently over a period of more than four years.

The general design of the power scheme fixed the location of the intake at the junction of the Welland river with the Niagara river, and the earlier operations up to the summer of the year 1920 were directed mainly toward the excavation of the approach channel and the inner basin, which occupied an area of approximately twenty-eight acres; and to accomplish this purpose, half a million cubic yards of earth were removed by under-water dredging. During 1920 and 1921 the whole site was enclosed by a cofferdam, having a total length of twenty-eight hundred feet, requiring for its construction four thousand tons of steel sheet piling, half a million feet of timber and a correspondingly large quantity of earth filling.

This cofferdam formed three sides of an irregular quadrilateral, of which the west bank of the Niagara river formed the fourth, and was constructed of heavy clay from the river excavation, and strengthened and made watertight by interlocking sheet steel piling driven firmly into the river bed.

Advantage was taken of the presence of a small island at the junction of the two rivers which was incorporated as an integral portion of the cofferdam system. The integrity of the cofferdam was tested in the fall of 1921 by pumping out the water from within the enclosure. In the early spring of 1922, the site was again unwatered and at the same time a contract was awarded to Messrs. Tomlinson, McCaw & Macdonald, of Winnipeg, for the completion of the earth and rock excavation and the erection of those structures which were necessary to prepare the intake for initial service. The work in connection with this contract proceeded rapidly during the season of 1922, and, as forecast in last year's annual report, was completed, with the exception of the removal of the cofferdam, shortly before the end of the year.

The removal of the sheet piling core was actually commenced in November, and such sheeting as could be removed safely was withdrawn before water was admitted.

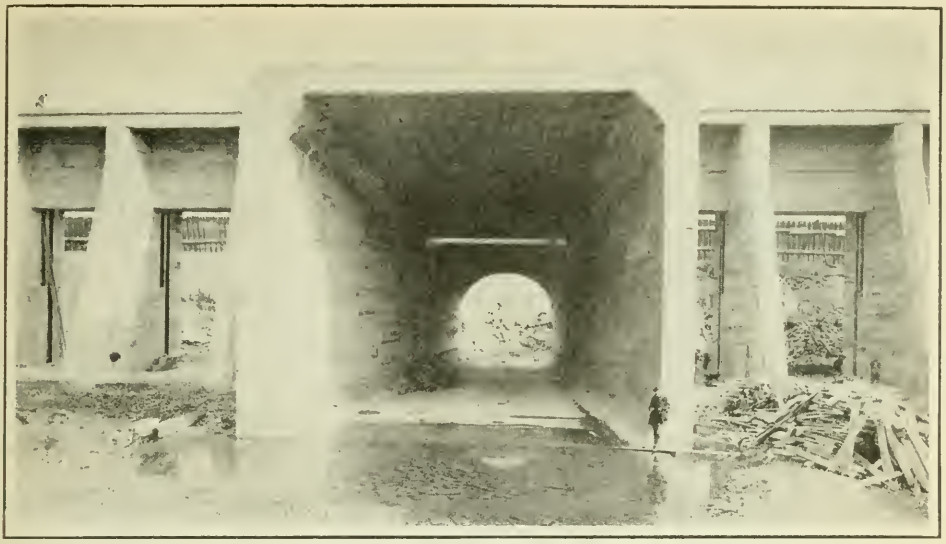
At the same time a contract for the removal of the earth portion of the dam was awarded to the C. S. Boone Dredging and Construction Company, Limited, of Toronto, who promptly commenced dredging operations.

The contractors for the intake structure, who were likewise responsible for the withdrawal of the sheet piling in the cofferdam, encountered so many delays and unforeseen difficulties that by the new year all expectation was abandoned of providing an adequate channel for satisfactory operation of the intake during the ensuing winter season.

By the time sufficient sheet piling had been removed from the cofferdam to give an opportunity for continuous dredging, the fleet lying in the Welland river was completely hemmed in by ice which every effort failed to dislodge. Consequently, suspension of dredging operations was forced until the middle of March. In the meantime the withdrawal of the sheet piling continued and the last pile was removed early in March.

Two months later, dredging operations had progressed sufficiently to provide a passage for the water from the Niagara river to the power house through the permanent intake structure, and in the month following the removal of the cofferdam was completed with the exception of a small portion which will later be taken out by the Commission's equipment.

Both the Niagara river and the Welland river are navigable streams, the latter forming a portion of the Welland Canal system. For this reason special provisions were required by the Federal Government in order to insure a safe passage from one river to the other. This resulted in the provision of a



QUEENSTON-CHIPPAWA POWER DEVELOPMENT

Intake structure. One of the diffuser openings from the inner side, auxiliary openings to right and left. With intake in operation these openings are entirely submerged

QUEENSTON-CHIPPAWA POWER DEVELOPMENT

Temporary intake, in use during the winter of 1922-1923. This channel, as shown, is protected against the admission of floating ice by a boom stretched across the entrance

structure more elaborate and more costly than would have been necessary for ice protection alone.

The complete design of the intake provides for its construction in two operations. The second operation, which remains for future construction, is to consist of six gathering pipes of large dimension extending beneath the river bed for a distance of about six hundred feet beyond the breast wall described below. These pipes or "fingers" will admit water from the lower strata of flow of the river at a velocity less than the velocity of the river current, and

materials in suspension in the river will, to a great extent, pass over the openings in the pipes and thus provide for entrance into the canal of water practically devoid of ice or other moving bodies. These pipes are to be constructed when it is found that the efficacy of the portion now built approaches the safety limit.

That portion of the intake designated as Operation No. 1, which has been completed and placed in use, consists of a large basin or forebay, a breast wall, wing walls and a ship channel. The breast wall, six hundred feet long, contains six principal openings and fifteen supplementary openings. The breast wall forms a curtain extending deeply into the water to prevent admission of floating timber and ice. The supplementary openings are intended to be used excepting during ice runs, at which times they may be shut off by stop gates, when all the water will be admitted through the principal openings or diffusers. These diffusers eventually will form the entrance ends of the gathering pipes, above described.

At the north end of the breast wall is built a wing wall connecting up with the river shore at Hog island, and at the south end there is a wing wall connecting with the wall forming one side of the ship channel. The ship channel is 80 feet in width and 30 feet in depth; the sides being built of concrete with recesses for lock gates, should such in future be necessary.

The basin in the rear of the breast wall and diffusers is triangular in form and has a depth of thirty feet. The earth slopes are protected with a heavy layer of broken rock neatly trimmed by hand. This basin at its downstream end gradually merges into the standard canalized river section.

It is hoped that means will be provided in the near future for the restoration of the grounds, adjacent to the structure, to a condition in keeping with the surrounding park lands.

Ice Conditions

From the commencement of power house operation in December, 1921, until the summer of 1923, all the water used passed through a temporary by-pass to the north of Hog island. This channel has been deepened and widened for the purpose, and served not only as a temporary intake but also as the sole channel for navigation between the Niagara and the Welland rivers. During the winter months a floating timber boom was stretched across the upstream end of this passage, and the boom, favourably situated in a location sheltered by the cofferdam to the south, constituted the only protection provided against entrance of ice for the short period during which it was to be used.

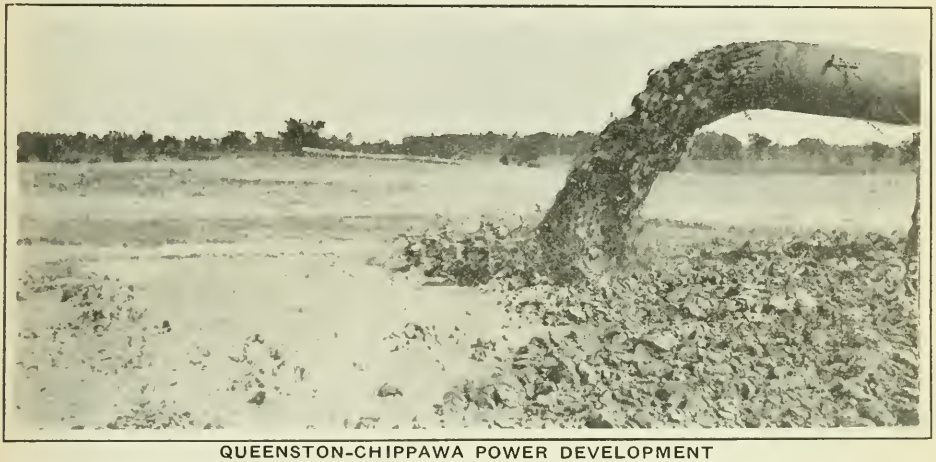
Although the plant at Queenston was operated throughout the winter without interruption from ice conditions, yet at certain times, especially after periods of snowfall on Lake Erie, large quantities of slush ice passed into the Welland river and the power canal. This ice was the most important factor in the thickening of the ice cover over practically the whole length of the waterway, which, while thin in most places, actually reached a maximum thickness of twenty feet a short distance inside the temporary intake.

The hazardous condition experienced during the winter months, described above, would of course be greatly augmented by the heavier flow of water caused by the yearly increment in power output, and demonstrated beyond doubt the necessity of the thorough ice protection works provided by the intake structure, the first portion of which is now in winter use for the first time.

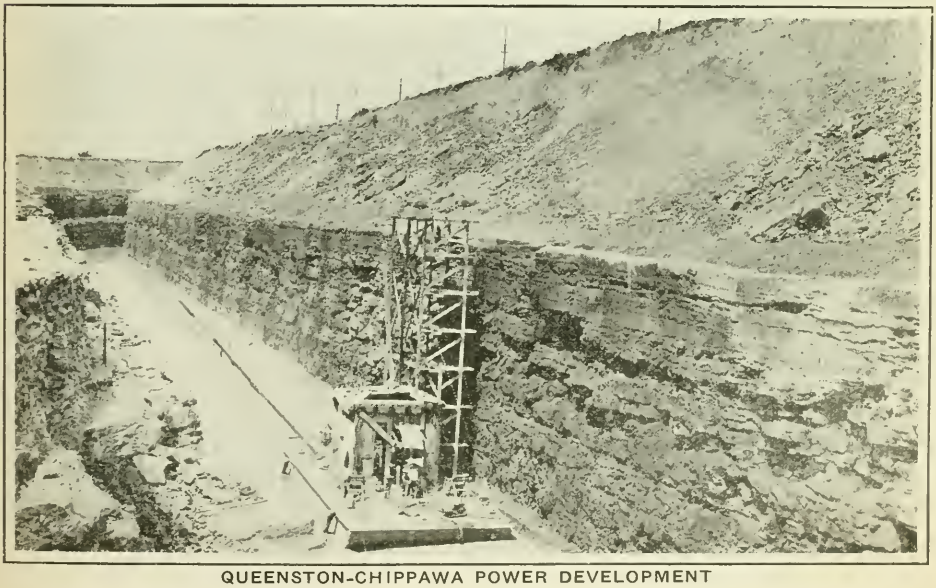
Canal

The total distance between the intake head-wall and the power house tailrace is slightly less than thirteen miles. The intake basin and the lower

QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Canalized river. Dredge "Stewart" making final cut on east bank. Looking south from M. C. R. bridge, Montrose, September 5, 1923



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Canalized river. End of pipe line discharging from dredge "Stewart" working in clay



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Canal. Protecting face of rock-cut. Gunite barge at work just south of Lundys Lane

reach of the Welland river make up four miles of the total length, and the excavated canal and forebay eight and three-quarter miles; the remaining few hundred feet being taken up within the limits of the screenhouse, penstocks, transformer station and power house. The dredged earth section covers the upper five miles of the distance, embracing, in addition to the Welland river section, about a mile of the canal proper.

During the year 1921 and since that time, the methods applied to the removal of materials from the channel within these limits, although varying in character, might all be classified as dredging.

The first operation in connection with the enlargement of the Welland river section was placed under way in May, 1918. The equipment consisted of a cableway spanning the water, operated from two towers travelling on parallel tracks, one on each side of the river. A large grab bucket removed the material from the channel, depositing it on the bank. The machine continued to operate until July, 1921, subsequent to which date its services were no longer required. Later it was destroyed by fire.

The dipper dredge "Boone" during this period was employed intermittently on the excavation of the river section at Chippawa, and in the present year the contract for intake cofferdam removal, already referred to, was made to embrace certain excavation in the Welland river, adjacent to the intake. A small portion of this excavation was done in January, 1923, and was resumed about the first of June. About this time it was decided to extend digging operations with this equipment and a supplementary arrangement was made with the contractor, increasing his quantities to an amount which kept the fleet at work throughout the remainder of the season. This work was in its final stages at the close of the fiscal year.

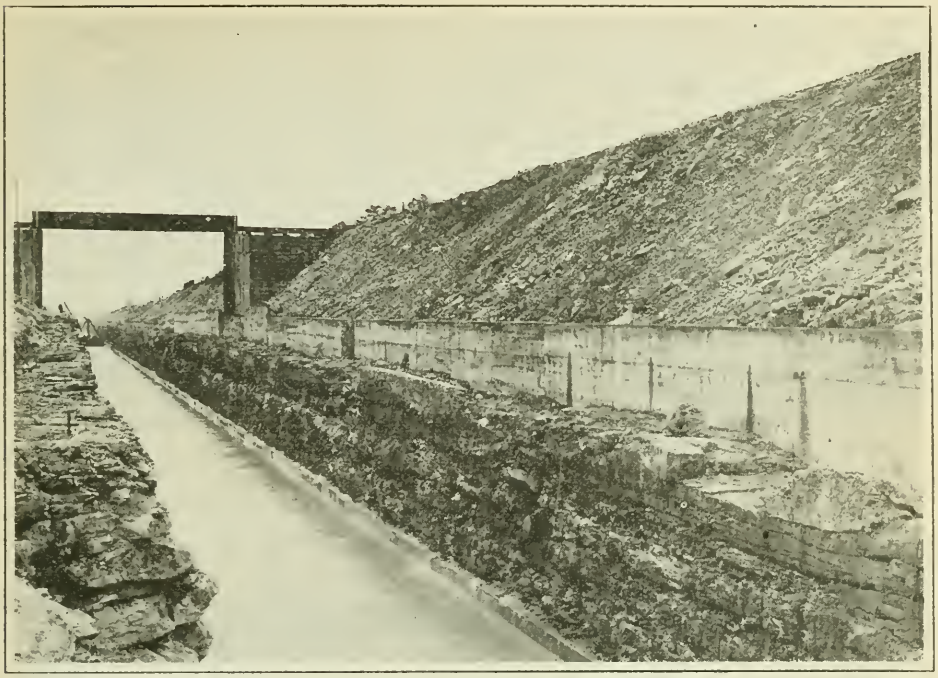
When, in the fall of 1920, the date for putting the canal into operation was set for the year following, the suction dredge "Cyclone" was secured from the Board of Harbour Commissioners, Toronto, and excavated in the first nine months of 1921 a channel between the Welland river and the beginning of the rock section of the canal, thus providing sufficient capacity for the operation of two units at the power house.

The earth core remaining between the channel thus formed and the section of canal which had been excavated by dry methods was removed under a contract made with John E. Russell, Toronto. This firm installed a small suction dredge, which operated during November and December, 1921, and January, 1922.

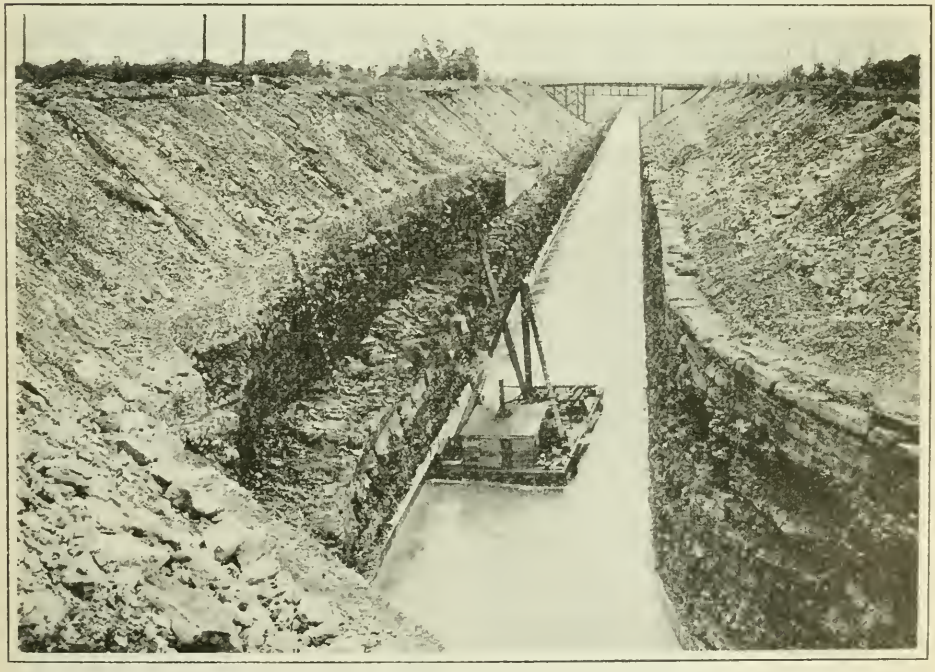
In the spring of 1922, a contract for further enlargement of the dredged earth section was awarded to E. O. Leahey and Company, Limited, of Ottawa. This contract was later extended and the scope of their operations now includes the removal of sufficient material to provide a channel in the Welland river and in the earth section of the canal, of sufficient waterway for the production of 500,000 horsepower at Queenston. The total quantity involved amounts to about 4,000,000 cubic yards.

This firm has placed in commission the powerful electrically-driven suction dredge "Stewart" and a small steam dredge. The latter was not operated after December of last year, but was replaced in June by another steam-operated suction dredge of larger capacity.

The ice conditions during the past winter led to many unfortunate delays, and the restricted dimensions of some portions of the channel led to many shifts of the equipment which involved temporary losses in production; nevertheless the present rate of progress, with the two machines now operating, should warrant the completion of the contract within the coming year.



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Canal. Showing concrete retaining walls



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Canal. Scaler at work cleaning the rock surface preparatory to placing toe-wall

It is obvious from a consideration of the characteristics of the rock section of the canal that all of the work below the flow line must necessarily have been entirely completed prior to the admission of water in December, 1921.

During the following year a small construction force was maintained for the purpose of cleaning up along the line of the work and the salvaging of the materials and equipment which had been in use in scattered locations during the construction period. An efficient organization was thus at hand for the carrying out of certain improvements along the line of the canal.

A somewhat extensive programme was prepared for the year 1923, involving the scaling of loose rock from the upper portion of the walls of the canal; the supporting of undercut rock ledges with concrete; the cleaning of the rock surface at the edge of the vertical cut, and the construction of masonry or concrete toe walls along the berms for the purpose of stabilizing the sloping earth banks.

The vertical faces of the rock cutting in many places already showed signs of weathering, and in order to prevent further disintegration, a thin layer of cement mortar was applied over extensive areas by a pneumatic process.

Along the top of the earth banks, the ground was sloped back to ditches in the rear and from these ditches off-take channels of concrete were constructed at intervals down the faces of the slopes.

A start was made on the removal, by subaqueous dragging, of debris which had fallen from the sides to the bottom of the canal, but it was considered wise to postpone this operation pending completion of the improvements described above.

The amount of work of the various classes was found to be more extensive than originally anticipated, and consequently considerable work along this order will be carried forward into the following year, and upon completion the canal will be turned over to the Operating department.

It is now confidently expected that the completion of these undertakings will be reached by the close of the ensuing summer.

Bridges

Further progress looking toward the ultimate completion of the canal has been made in the opening for traffic of three highway bridges.

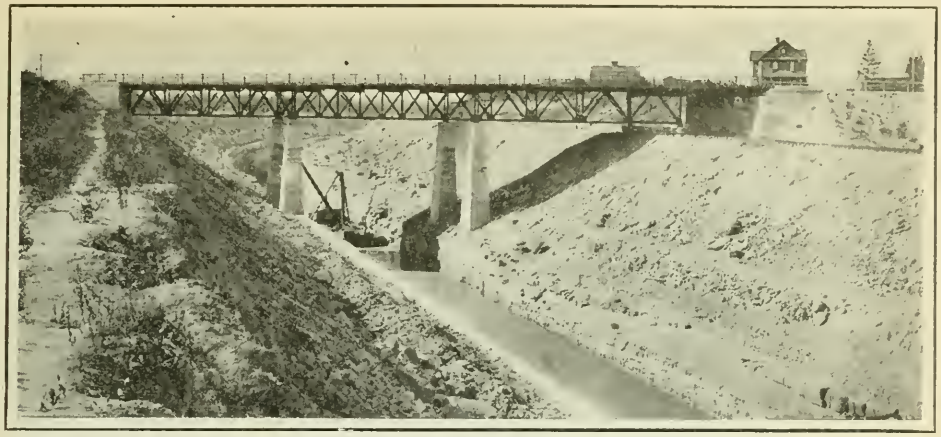
The crossings at Lundy's Lane and Thorold road give access to the two provincial highways entering the city of Niagara Falls, while the new crossing at Portage road eliminates the undesirable detour heretofore existing on this important county thoroughfare. The bridge at Lundy's Lane was opened in December, 1922, and that at Thorold road in June of the following year, in time to take care of the heavy demand of the summer tourist traffic.

All three bridges are of similar design, with heavy concrete piers and abutments and steel superstructure with concrete paved roadway and sidewalks.

Later in the season these bridges were equipped with suitable lighting arrangements.

A permanent bridge of similar type at the crossing of Victoria street is now in the course of construction. This bridge will be open for traffic early in the spring of 1924.

During the summer months a large proportion of the traffic crossing these bridges comes from outside points and the unobstructed view, so readily obtained, of long sections of the canal in each direction undoubtedly creates a lasting impression on the minds of many of Ontario's transient visitors.



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Canal. Typical permanent highway bridge over canal

QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Typical railway permanent grade separations

QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Canal. Side of canal before protection by toe-walls and concrete below rock surface

Construction Railway

The decision relating to the retention of the canal construction railway as a permanent feature led to negotiations with the various railway companies in respect to the substitution of concrete and steel grade separation structures to replace temporary wooden trestles, which had been in use heretofore.

Suitable structures were designed accordingly and a contract let to Messrs. Campbell and Lattimore for the construction of abutment and bridge floors at the Grand Trunk main line; the Michigan Central; the Wabash; and the Niagara, St. Catharines and Toronto railways.

The Construction department of the Commission co-operated with the contractor on these works, not only in the supply of material and heavy plant but also in the fabrication of steel-work and in the extensive revisions in alignment of the main line tracks. Due to its special character, this latter work was done under rush conditions and frequently in inclement weather. All this work was carried out without interruption to traffic on the lines of the several railways affected.

The Commission now has a single-track railway line from Montrose to the forebay, a distance of nine miles, with permanent grade separation at all railway crossings and at two of the principal highways.

Interchange facilities are provided for with the main lines of the Grand Trunk; Michigan Central; Niagara, St. Catharines and Toronto railway, and indirectly also with the Wabash.

Screen House and Forebay

The screen house foundations for nine units, together with the superstructure required for six units, containing the travelling crane, gates, racks and other equipment, had been practically completed in 1921, leaving some work to do in the way of interior and exterior finishing, and installation of fittings. This has been proceeding during the past year. A start has been made in extending the superstructure to enclose the headworks of the seventh and eighth units.

No permanent work has been required within the limits of the forebay: but the surrounding ground has been levelled off to some extent, preparatory to final improvements in landscape work, which are to be undertaken in the future.

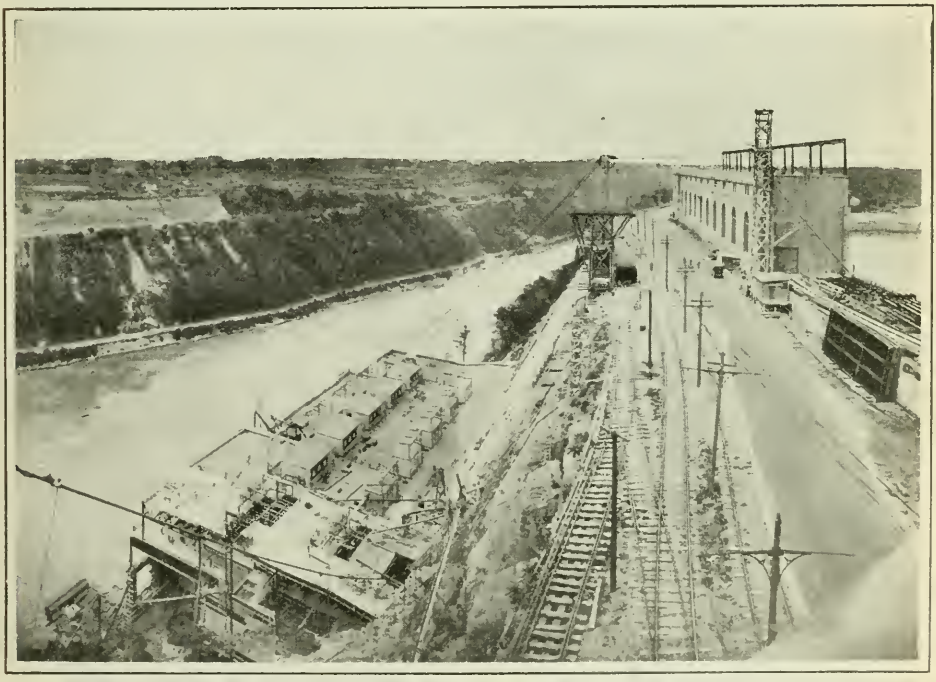
To the north of the forebay, two large air compressors have been installed for use during construction, arrangements for water supply and fire protection improved, and some equipment added for the handling of sand to be used in power house extension work.

Escarpment Wall

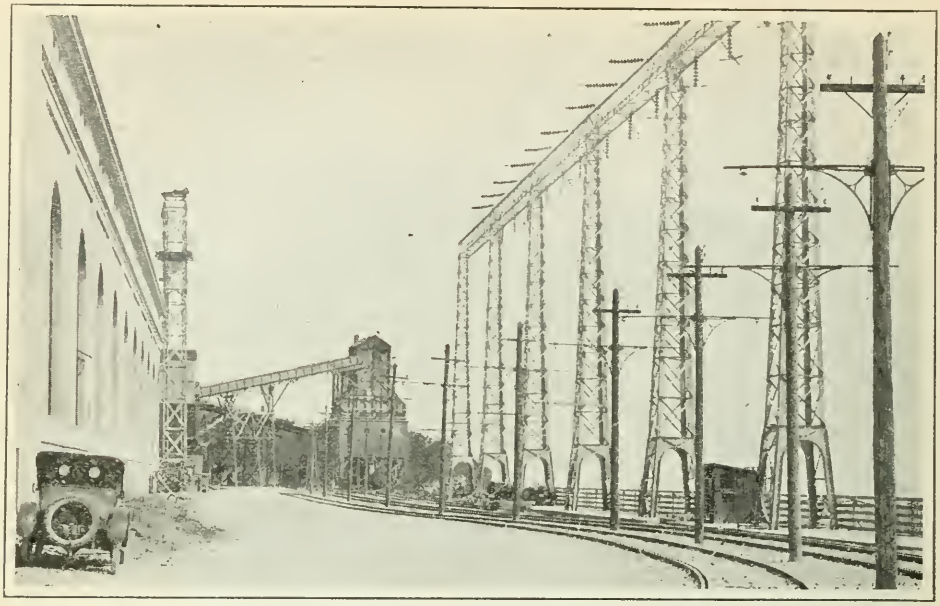
The concrete wall along the face of the escarpment was extended last winter as far as unit No. 6, to provide sufficient room for the final rearrangement of street railway tracks and the new boulevard to the east of the screen house. The wall is surmounted at intervals by the steel towers supporting the high-tension power lines, emanating from the power house. A sidewalk is provided along the outer edge, affording to pedestrians a safe and interesting view of the generating station below.

At the time of the turning on of unit No. 1 in December, 1921, it will be remembered that the only means of access to the power house, other than by

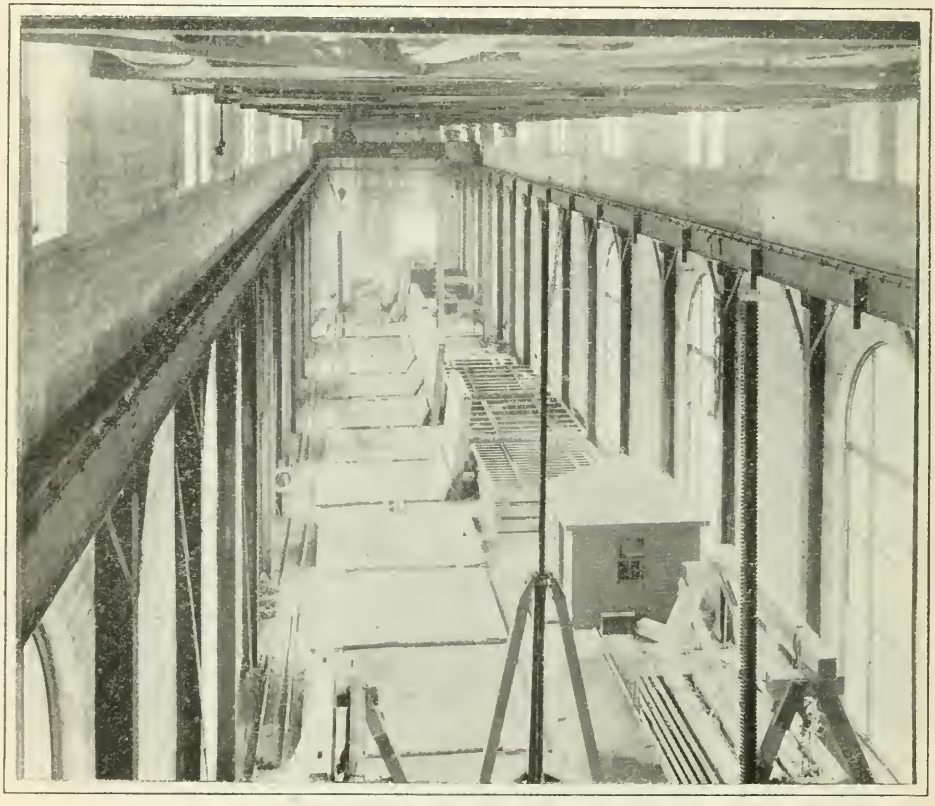
QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Forebay and west side of screen house with water in canal



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
General view of screen house, boulevard, escarpment and power house from top of mixer plant, October 4, 1923

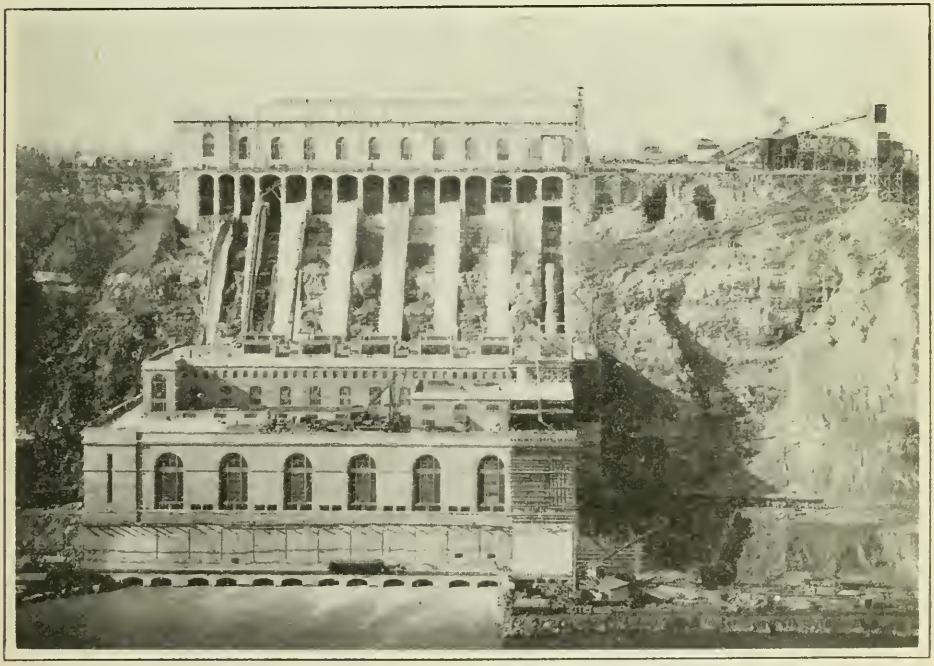


QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Top of the escarpment showing east side of screen house, Queen-Victoria Park boulevard, railway tracks and transmission line towers



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Screen house. Interior looking north from top floor of Administration building

QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Administration building and screen house, November 8, 1923



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Power house from United States side, October 27, 1923

flights of steps down the face of the escarpment, was by rail from the Suspension bridge at Queenston. The elevator shaft and tunnel, which now provide direct communication between the screen house and power house were then under construction. Some time was spent after the lining of the shaft had been completed, in installing the stairway and elevator equipment, but for the latter, it was still necessary to wait until the erection of the administration building, in which the upper entrance to the elevator shaft was to be housed, had progressed sufficiently for the setting of the operating machinery. This elevator was placed in service in December last.

The administration building, situated at the south end of the screen house, although not completed, now provides accommodation for offices, a garage and a stores entrance, and likewise contains the main entrance leading to the elevator serving the power house.

Power House

The structure below the escarpment top, appearing as a single unit of construction, has two entirely distinct functions to perform. The first function is the generation of electrical energy; the second, its transformation and distribution. A description of the generators, transformers, switching and other electrical equipment and those portions of the building which house this equipment will be found elsewhere in the Annual Report. The hydraulic machinery and equipment and what may be termed the substructure of the power house, which contains most of the hydraulic machinery, are more particularly dealt with in this section, and an endeavour is made to lay emphasis on the gradual extension of the installation to meet the continually growing demands for power.

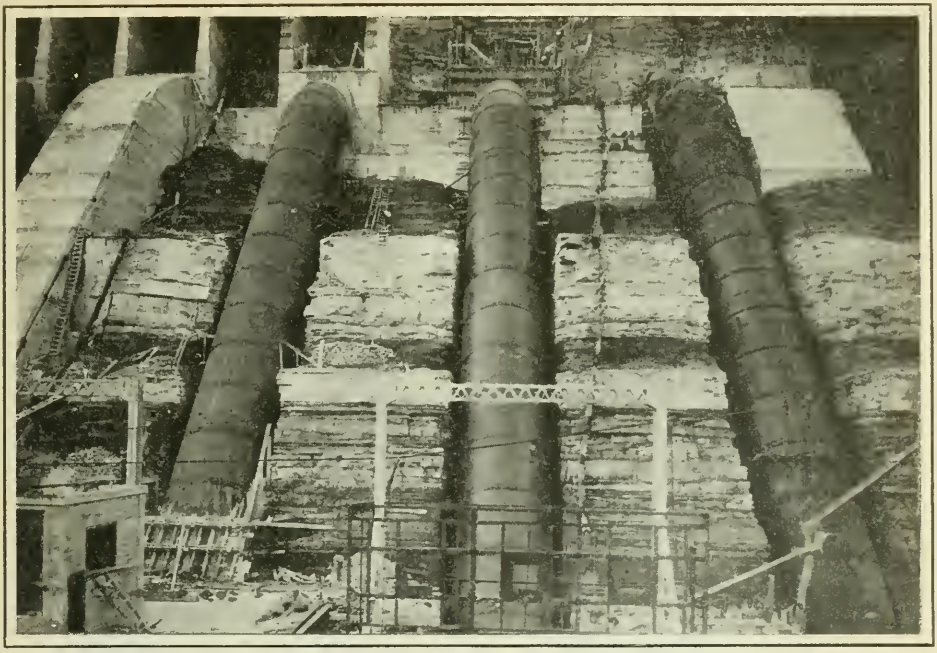
During the past year, work has been progressing very favourably at the power house in the extension of the building and the installation of additional units. A large force has been maintained continuously at this work and it has thus been possible to increase the production of the plant, by the addition of units Nos. 4 and 5, to a total nominal capacity of 275,000 horsepower.

Upon the introduction of unit No. 5 to commercial service in April last, the other units were one by one examined and such small repairs and adjustments effected as were necessary. All five units were again in service by September and ready to carry the increment of load usually demanded during the late fall.

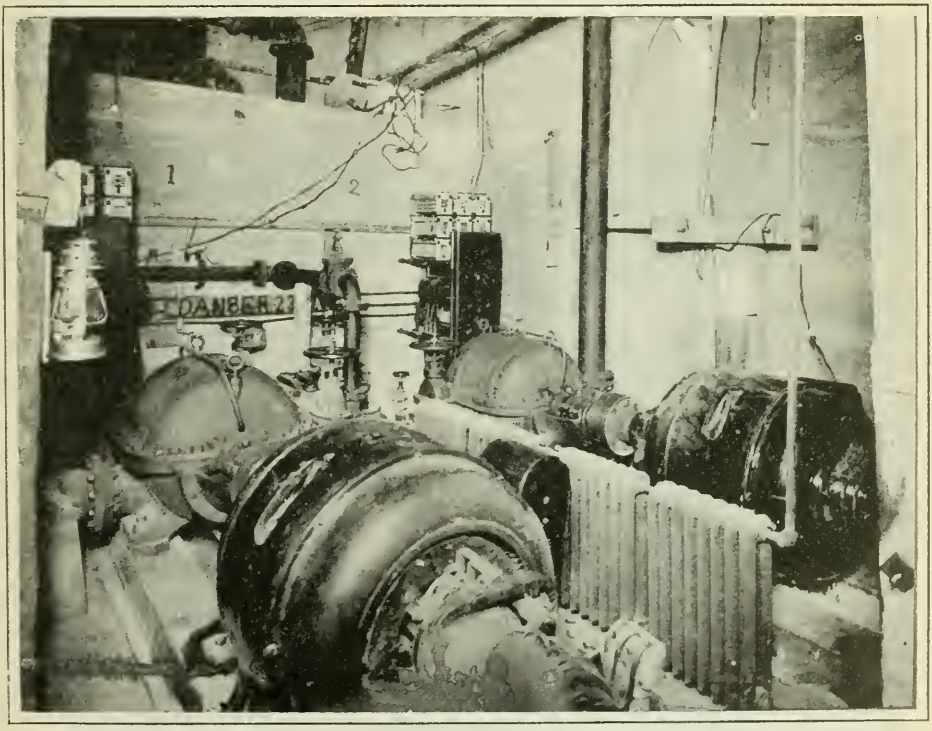
It is fitting at this point to call attention to the vast amount of work which has to be done, and the skill required in planning and erecting the structure for housing the generating units and the subsidiary equipment. It is necessary for the operation of the plant to have installed numerous pumps for various uses, air compressors, filters, and long lines of piping for water, oil and compressed air. The building in of these systems, and other auxiliary services, required skill and careful attention and a large expenditure of time and labour, a fact which is apt to be overshadowed, so far as the general public is concerned, by the more spectacular operations in connection with the installation of the immense turbines and generators themselves.

There yet remains a very considerable amount of detail work to be done in order to complete the power house for the initial installation of five units, which are now operating. This involves chiefly the laying of floor surfaces; the application of final coats of plastering and painting to large areas of walls and ceilings; metal work, and cleaning up.

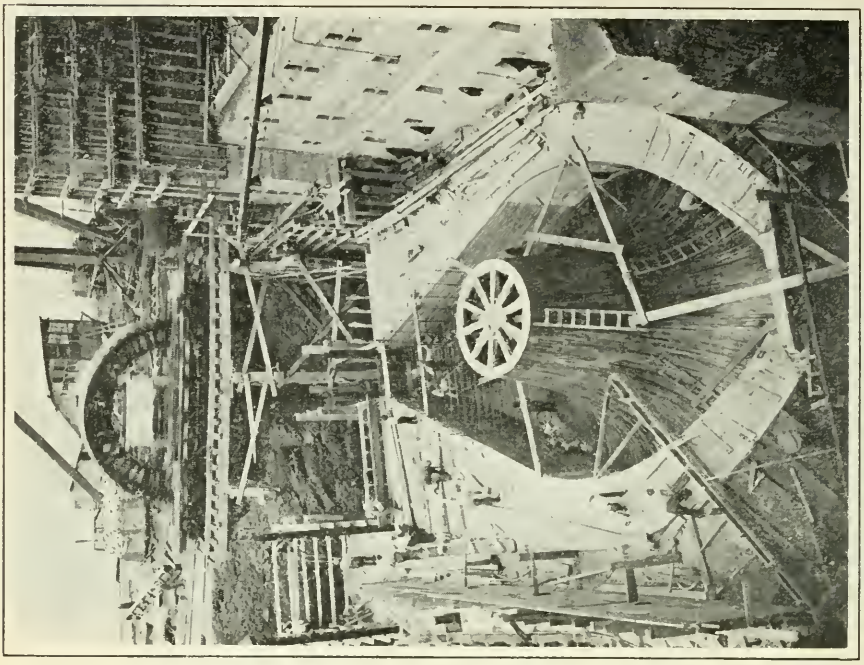
The continually increasing demand for power on the system resulted in the decision early in 1923 to increase further the capacity of the plant, and



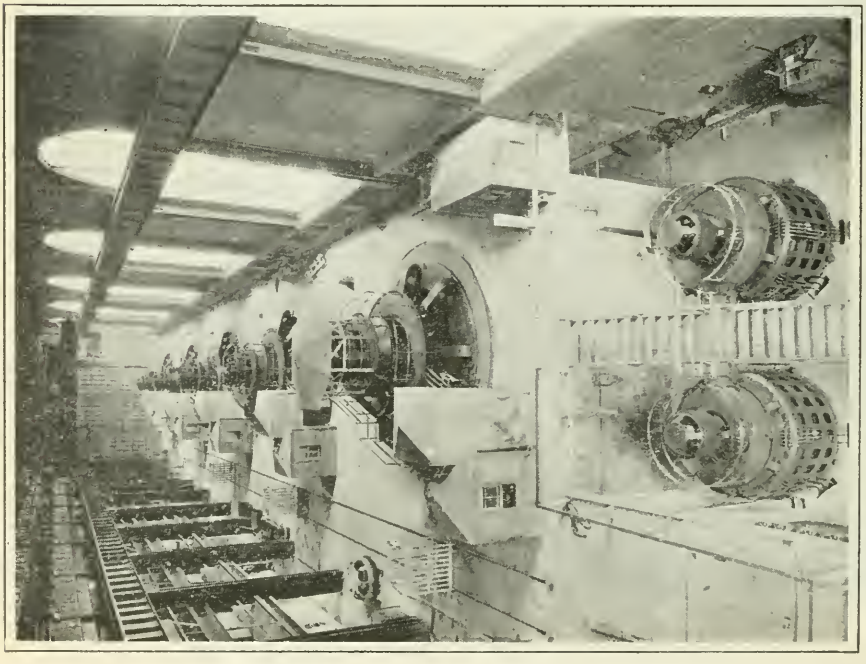
QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Penstocks for units Nos. 2, 3, 4 and 5 from roof of power house, September 12, 1922



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Typical auxiliary equipment. Governor pressure pumps



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Power house. Draft tube forms No. 7 unit, from rear, September 5, 1923



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Power house, interior view, May 4, 1923

contracts are now under way for the construction of three additional units, the first of which is required for service by the beginning of 1924.

Contracts were accordingly awarded for the construction of penstocks for units Nos. 6, 7 and 8 to the Canadian Allis-Chalmers, Limited, and the William Cramp & Sons Ship & Engine Building Company, and the Dominion Engineering Works, for the more important hydraulic machinery required for these units.

The new turbines are to be of greater capacity than those of the original development, being rated at 58,000 horsepower.

By the end of October, 1923, the penstock and turbine for unit No. 6 were in course of erection in the power house and the draft tubes for units Nos. 7 and 8 installed.

The accompanying chart shows graphically the increase in capacity of the plant since the date of placing the first unit in commercial operation.

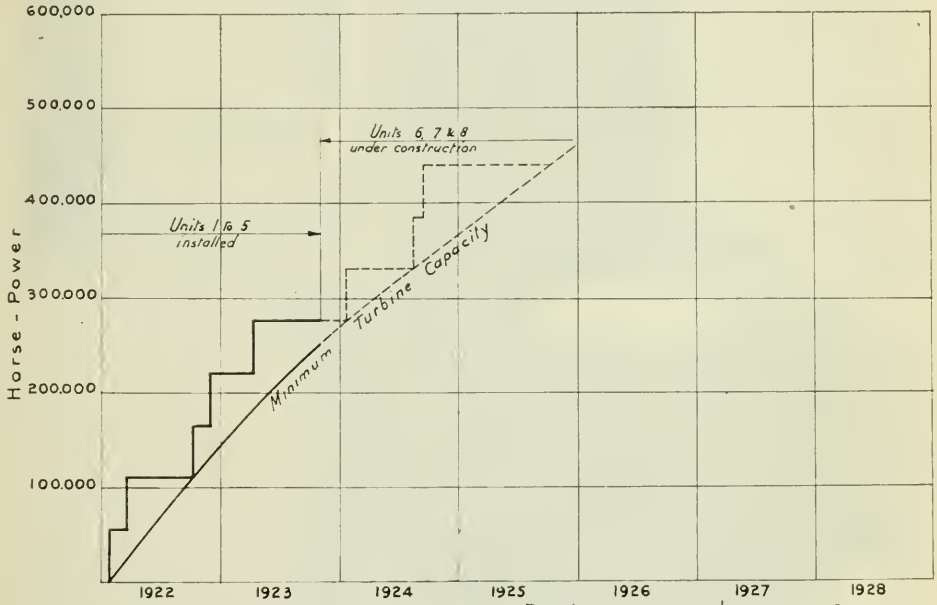


Chart of Turbine capacity of Queenston-Chippawa Development since beginning of operation

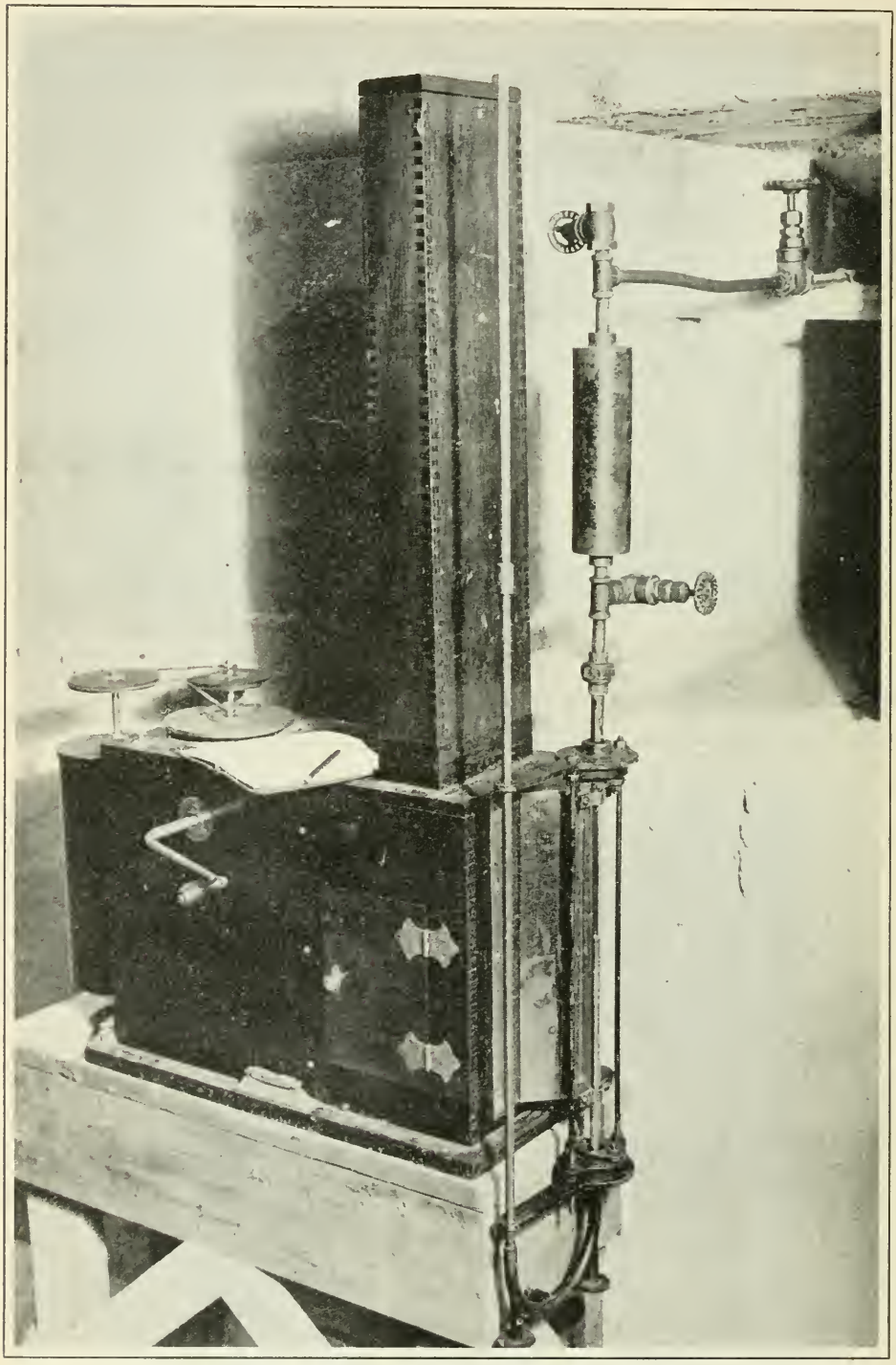
Tests and Investigations

Efficiency tests of turbines Nos. 1, 3, 4 and 5, were made during the year, the Gibson Pressure-Time process being used for measurement of water.

This method was invented and patented by Mr. N. R. Gibson, of Niagara Falls, Ont., and the Commission purchased the right to use it in Ontario in its own plants. Its advantages are accuracy and speed, very little interference with the operating routine of the plant being necessary.

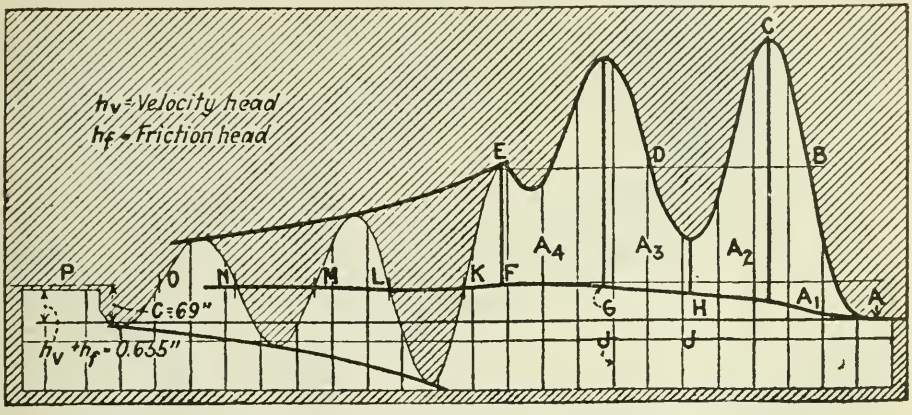
A view of the Gibson instrument as set up for test of unit No. 4 at Queenston is shown in an accompanying illustration.

This instrument makes a photographic record of the variation in pressure during shut-down of a unit from which the quantity of water being used before



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Gibson apparatus for measurement of water, as set up for test of unit No. 4 at Queenston power house

shut-down can be computed. A copy of an actual diagram prepared for computation of discharge is shown in the figure below:

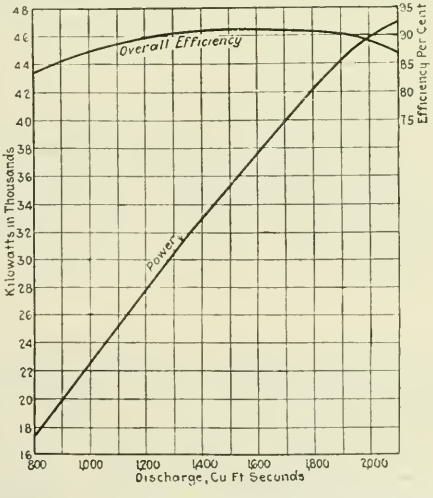


QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Pressure-time diagram from Gibson instrument

The area A B C D E F G H A is a measure of the discharge. Tests by this method have been made at the Heely Falls, Big Chute, Ontario Power and Queenston plants.

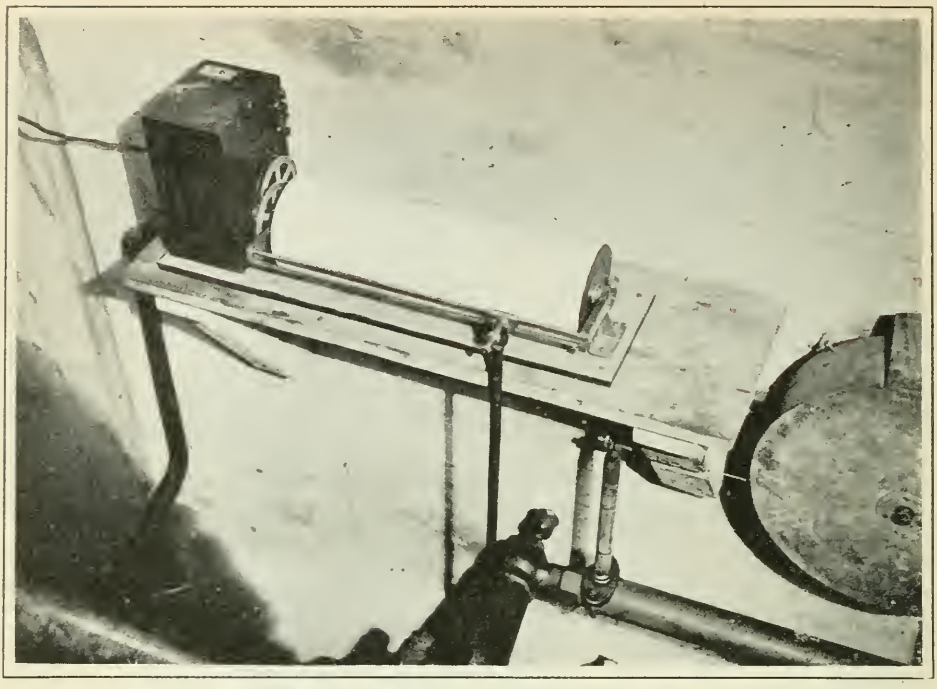
Very gratifying results were obtained in the turbine efficiency tests at Queenston, unit No. 5 showing one of the highest efficiencies if not the highest ever realized for a large turbine, viz.: 93.3 per cent, and, further, high efficiency is maintained for a great variation in power output. All other units closely approached this high record.

An efficiency curve for No. 5 turbine is shown herewith.



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Efficiency curve, No. 5 turbine, Queenston power house

Investigations of friction loss in penstocks and canal were made and of pressure rise in the penstocks due to sudden closure of the turbine gates. A series of tests of the turbine governors was also made.



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Servomotor indicator for accurate measurement of turbine gate opening and rate of closure at any instant during a test

In many of these investigations use was made of the servomotor indicator shown in accompanying illustration. This instrument was designed and built by members of the Commission's staff, and permits an accurate measurement to be made of turbine gate opening and rate of closure at any instant during a test.

Measurements have been made of the distribution of flow through the various openings at the intake at Chippawa and of variation in water levels there and near-by in the Niagara river. A permanent automatic gauge well and shelter is under construction at Slater's point, opposite Navy island, at which a continuous record of water level at that point in the Niagara river will be obtained. This gauge will serve as a key gauge for the whole upper river thus nterrelating records of briefer duration obtained at other points.

Salvage

Considerable advance was made in the sale of stores and equipment which had been acquired during earlier years in order to secure the completion of the power house and canal within the time allotted for construction. The schedule of performance requiring the delivery of power by the fall of 1921, demanded that work be prosecuted at every location where access was possible. This naturally resulted in plant requirements of extraordinary magnitude, and the nature of the work was such that much of the heavier plant was of special character, a large part of which it was impossible to purchase because of its special nature and which had to be designed on the work and put together during the progress of the same.

Practically all of this plant was on hand until after the admission of water into the canal in December, 1921.

Plant depreciation during this period of construction has been consistently written into the cost of the work, with the result that the valuation on the books of this equipment had been reduced by this and other means to about 25 per cent of its original cost. Early in the following year, an internal selling organization was developed under the jurisdiction of the Plant engineer, and the activity of this department in nine months resulted in the disposal of about 25 per cent of the saleable construction equipment.

In March, 1923, the remaining plant not required for immediate use was placed for sale in the hands of the Hydro Salvage Syndicate, directed by two of the largest equipment houses operating in Canada.

The efforts of the latter organization during the past nine months have been productive of sales of an additional 15 per cent and there is every prospect of further developments in the near future. Since building operations on the extension of this development are still in progress there is a considerable part of the original plant still in use.

In the spring of 1923, a contract was entered into with the Eastern Wrecking Company for the sale to them of such temporary buildings as were released for disposal in this manner from time to time. This company has already demolished twenty-six buildings, chiefly bunk-houses and camp buildings.

Only such buildings as are not required for present or immediate future use have been sold under this arrangement.

Township of Stamford Water Supply

An agreement has been reached between the Commission and the township of Stamford in respect to the drying up of privately owned wells in the vicinity of the canal claimed to have been caused by the Commission's operations.

Under the settlement the township has been compensated in part for the cost of laying water mains through the more settled portion of the district referred to, and in addition, over one hundred claims have been disposed of individually, either by the drilling of new wells or by contributions in cash.

The well operated by the township authorities for general water supply was abandoned in 1921 due to reduction in flow, and an arrangement was made permitting them to install a temporary pumping station within the canal prism at Victoria street; the supply of water being obtained from an underground stream discharging into the canal through a rock seam above water level. This supply approximated in capacity the original well. Negotiations are now in progress toward the settlement of this final phase of this issue.

Queen Victoria Parkway

Access to the power house from Niagara Falls by way of Queenston has been greatly facilitated by the construction of a highway, connecting Niagara Falls with that village. This boulevard forms a part of the highway system of the Queen Victoria Niagara Falls Park Commission. The space between the screen house and the escarpment, which had previously been occupied only by the tracks of the International Railway, was widened sufficiently to provide room for the driveway. This boulevard, completed in the spring of the present year, has already attracted many visitors from outside points, and apart from its physical advantage, it will undoubtedly prove to be of considerable benefit in bringing the public into closer touch with Ontario Hydro-Electric undertakings.

QUEENSTON-CHIPPAWA POWER DEVELOPMENT

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SEVERN SYSTEM

Severn River Storage and Regulation

Investigations of storage on the Black river, tributary to the two plants on the Severn river, were made, and information secured concerning them. These investigations were made in co-operation with engineers in the Operating department and with the Orillia Light, Water and Power Commission. The reservoirs concerned were created for log driving purposes and are not now in use. Operation of this storage has been undertaken with a view to determine its value for power production.

Operation of the storage of lakes Simcoe and Couchiching is controlled at Washago by the Department of Railways and Canals. Demands of navigation, agriculture and power developments at the outlets of lake Couchiching, and the difficulties in disposing of the water from the lake at certain stages impose limitations to the use for flow regulation of the large volume of water held on these lakes. Between certain limits, however, storage from the lakes produced, during the year, a considerable increase in flow above the natural run-off.

MUSKOKA SYSTEM

Muskoka River Investigations

Investigations have been made and studies continued respecting the regulation of the flow of the South Muskoka river. The provincial Public Works Department has provided additional storage on the upper part of this drainage basin, which storage will assist in the regulation of the river for power as well as for navigation and log driving.

Studies were continued and plans made in connection with the contemplated increase in the capacity of the South Falls generating station. This work is now in such shape that active construction operations can be commenced without delay.

ST. LAWRENCE SYSTEM

St. Lawrence River Investigations

During the year further studies were carried out in connection with the development of power on the St. Lawrence river.

Early in 1923, ice formations set up abnormal disturbances to the flow and regimen of the stream, and advantage was taken of this opportunity for the collection of data concerning the flow. This action resulted in the securing of valuable information. On January 12, an ice bridge was built up at the foot of Croil island, which was blown out the next day. On January 19, another formed about the same place and built back in a few days to Farran's Point, and by the end of the month all that stretch of the river from below Woodlands

to Weaver's Point was covered with ice, which was gradually but continuously increasing in mass from the various forms of ice contributed by the passing flow.

It was evident that very exceptional results from this unusual blocking of the river would be produced. A party was organized and assigned to the work of collecting all possible data. It was April 17 before the river again reached a state that might be termed normal. The disturbed conditions existed for a much longer time than was the case in other similar occurrences and consequently gave a better opportunity for making observations.

Specially selected points at which water surface elevations were to be taken supplemented the regular gauge stations. By means of these the ever-changing disposition of ice and water was followed throughout the period. The information secured has been tabulated and graphically recorded.

Similar ice phenomena were experienced in the years 1887 and 1905, with the same interval of eighteen years between. The two earlier occasions were, however, of short duration compared to the one of this year.

The municipal power plant of the town of Morrisburg operated with a much reduced head, but was not completely shut down except for a very small part of the time. Though no considerable damage at any one place was suffered, there was a large number of small losses to boathouses and similar structures at the river's edge. All forms of ice contributed to the trouble but it is believed that greater control of the river will result in the elimination of most of it.

RIDEAU SYSTEM

Mississippi River Investigations

During the year a survey was made of a privately-owned power site known as Ragged rapids on the Mississippi river about ten miles above the site of the High Falls development.

The estimated dependable regulated flow at the site is the same as at High Falls, or 264 cubic feet per second. At 80 per cent efficiency, the turbine output would be 24 horsepower per foot of head. The maximum head that can be secured will be 120 feet, producing 2,680 continuous horsepower. Estimates are being completed of the probable costs of obtaining the maximum or a lesser head, and the costs of power therefrom.

The storage works controlled by the Mississippi River Improvement Company are situated above the site of Ragged rapids.

The Rideau system pays fifty per cent of the tolls collected by the Mississippi River Improvement Company. This company has a charter and legislation authorizing it to maintain storage works for the regulation of the flow of the river, and to collect tolls for the same from power owners benefited. Close touch is kept with the company and with the storage conditions existing from time to time. With the assistance of officials of the Improvement company, investigations and reports have been made in regard to the storage and flow regulation of the river. The plant owned by the Hydro-Electric Power Commission at Carleton Place has, by means of the dam controlling the elevation of Mississippi lake, been able to assist in the regulation of the flow to power plants below.

THUNDER BAY SYSTEM

Nipigon Development

Early in the year, the rapid growth of demand upon the system made it imperative that immediate steps be taken to increase the generating capacity.

This rapid increase in demand had in a measure been planned for by constructing the substructure and tailrace for the full capacity of the power site at the time of the installation of the first two units—each of 12,500 horsepower—which have been in operation since December 21, 1920. This provision made it comparatively simple to increase the capacity of the plant in the shortest possible time. The construction work necessary for the installation of two more units of the same capacity began in September of 1923. All of the construction work is being done by staffs provided by the Commission. The supplying and installation of turbines is by contract with the Canadian Allis-Chalmers, Limited. At the end of the fiscal year such progress had been made that concrete had been poured for the substructure of No. 3 unit, and it is fully expected that by July, 1924, this unit will be carrying commercial load, with No. 4 closely following.

Nipigon River Investigations

Information concerning the flow of the Nipigon river and the fluctuation of the surface of lake Nipigon is being collected for the purpose of providing data upon which to determine the maximum power output of the fully regulated stream. It is anticipated that the large volume of water that can be stored on the lake will permit a complete regulation of the flow.

CENTRAL ONTARIO AND TRENT SYSTEM

Dam No. 8 Development

To meet the ever-increasing demand for power on the Central Ontario and Trent system, the construction of further developments became a necessity, and early in the summer of 1923 tenders were called for, for the construction of the Dam No. 8 development on the Trent river, and for the supplying of hydraulic equipment. The contract for the former was awarded to the Sinclair Construction Company, of Toronto, and for the latter to the Canadian Allis-Chalmers, Limited.

The development at Dam No. 8 consists of three 2,200-horsepower, vertical units, direct-connected to three three-phase vertical alternating-current generators on the main floor of the station. The tailrace will be a solid rock cut 33 feet wide by 18 feet deep by 3,250 feet long, involving a total excavation of 90,000 cubic yards, of which 500 lineal feet or 11,000 cubic yards have been excavated to date. Surplus and flood waters are diverted through the westerly sluices of Dam No. 8 across Meyers island to the west branch of the Trent river. Provision for this diversion necessitated the construction of a gravity section concrete wing wall 165 feet long, a rock-filled timber crib 8 feet by 10 feet by 350 feet long, and a rock-fill of trapezoidal section 750 feet long. At the end of the fiscal year considerable progress had been made on the excavation of the tailrace, and the power house site was in a condition to permit the pouring of concrete at an early date. Many of the turbine parts had been completed in the shops, and delivery of the embedded parts is anticipated in time for their incorporation in the substructure. It is expected that this plant, which will have a capacity of 6,600 horsepower, will be ready for operation early in 1924.

Dam No. 9 Development

In order that the excavation of the tailrace for this development may be done "in the dry", it is necessary that it be completed before the development at Dam No. 8, situated immediately below it on the Trent river, is placed in operation. To this end, plans and specifications were prepared and tenders called for. The Lumsden Engineering and Transport Company has been awarded the contract, and is assembling plant and making preparations to commence active operations immediately. Power house construction will commence early in 1924, and the plant is expected to be completed by the end of the year.

Ranney Falls Generating Station, Dam No. 10

The late summer and fall of 1922 marked the initial operation of the Ranney falls generating station, construction of which began in June, 1920. In October, 1923, efficiency tests were run on the two 5,000-horsepower units in this plant.

Coincident with this work minor adjustments were made on the auxiliary equipment in the plant and a start was made to clean up the power site. Completion of the latter work has been deferred until the temporary construction buildings are to be taken down.

Campbellford Pulp Mill Water Supply

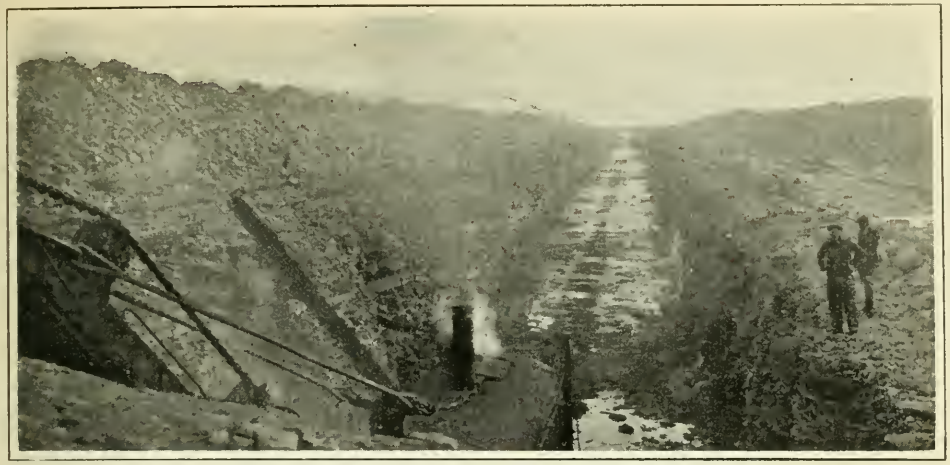
The diversion of water for the operation of the Ranney Falls station, through the upper reaches above Locks 11 and 12, resulted in cutting off the water supply as originally provided for the pulp mill. Accordingly estimates were prepared and appropriations made to install a suitable screened intake and 16-inch water main from canal to pulp mill, a distance of 1,150 feet. A new pump house was also put in between the grinder and machine rooms of the pulp plant, the installation consisting of two 25-horsepower motors direct-connected to two 750-gallon Watson-Stillman pumps. These units will provide ample water pressure for present and future requirements. The appropriation of $14,000 for this work was sufficient to entirely cover the construction cost, notwithstanding the fact that construction was carried on under very adverse weather conditions.

Trent River

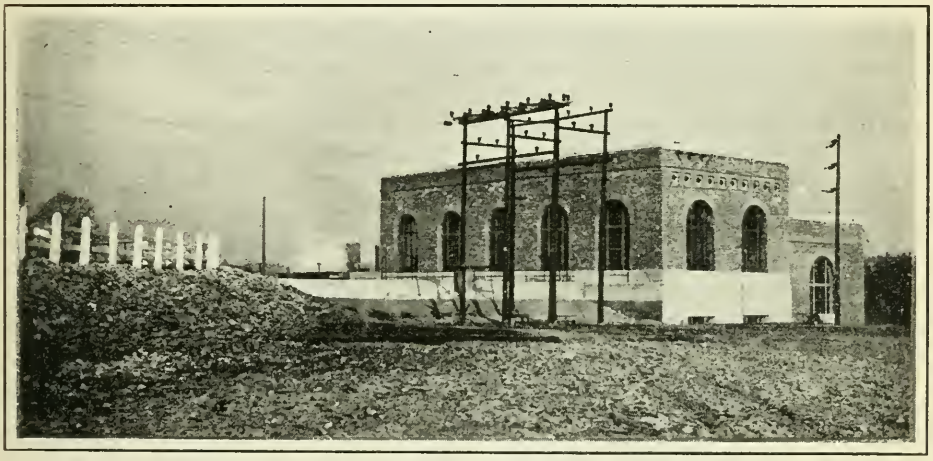
The rapidly increasing demand for power in the district served by the Central Ontario and Trent system has made necessary, besides the construction of power plants, further investigations of the means of regulating the flow of the Trent river by storage reservoirs.

The Trent river, being a canalized stream, and also one on which a certain amount of log driving still occurs, presents problems in respect to power development and operation not generally met with on other streams.

The storage provided by the Department of Railways and Canals may be considered under two classes: first, the storage in the reservoirs which are used for actual navigation and are a primary part of the canal, and second, the storage held in reservoirs on tributary streams. The first class of storage has definite limits beyond which it is not possible to obtain assistance for flow regulation and at the same time to preserve, with the factor of safety imposed, the levels desired for navigation. Within these limits, definite aid in the production of power from this storage is received. The second class of storage on the



TRENT RIVER—DAM NO. 8 DEVELOPMENT
Tailrace looking south, December 19, 1923



RANNEY FALLS POWER DEVELOPMENT
General view of power house looking north from highway

BINGHAM CHUTE POWER DEVELOPMENT
Main dam, September 22, 1923

tributary streams will be that from which any future increase in the regulation of flow will be provided. In order to determine what may thus be secured, attention has been directed to the study of these streams, and chiefly to the Crow river basin.

The Crow river discharges into the Trent river below Heely falls and at an elevation of the Trent river 282 feet above lake Ontario. Of this drop on the Trent river, 186 feet is, or will be, operated by the Commission, and 50 feet is now operated by other hydraulic plants. The total drainage area of the Crow river is 760 square miles, of which 460 square miles is tributary above the outlet of Belmont lake. The concentration of any possible storage at the lowest reservoir in the basin is desirable, and for this reason the investigations were directed with the object of determining the greatest amount of storage that could be provided by the construction of a dam at the outlet of Belmont lake.

Some preliminary information had been secured in previous years, but in January, 1923, a field party for the securing of the topography, and another small party for the securing of data regarding the variation and distribution of flow in the basin, commenced work. At the same time the assembly of all pertinent information from other sources was carried on.

This work is now reaching completion, and the economical limits of storage that can be secured will be determined and estimates of probable costs will be made.

The Hydraulic department maintains a resident engineer at Peterborough, who has had the immediate direction of the storage investigations, in addition to the progressive compilation and study of the hydraulic features of power from the Trent canal.

NIPISSING SYSTEM

Bingham Chute Development

A further and much needed supply of power for the Nipissing system will be available in the very near future from the development now nearing completion at Bingham Chute. Work on this project was started in the spring of 1923, and the first unit is expected to be ready for service by December 1, 1923. The capacity of the plant when completed will be 1,300 horsepower, consisting of two 650-horsepower units, operating under a head of 45 feet. The site is located on the South river about two miles from Powassan.

This power development entailed the construction of a concrete dam of five sluices with earth-fill dams on either end. A wood-stave pipe 8 feet in diameter and 370 feet long carries the water to the power house.

The construction work was carried out by staffs provided by the Commission and the hydraulic equipment is being supplied by The William Kennedy & Sons, Limited, of Owen Sound, Ontario.

South River

A study of the South river from Bingham Chute to the village of South River is being made with a view to determining the best location for additional reservoirs, and the most economical sites for the further development of power for the Nipissing system. Studies are being made using the data already collected, and it is expected that the surveys will be completed early in 1924 and construction operations commenced during the summer.

MISCELLANEOUS

Bonnechere River

Besides the investigation of the storage of the several operating systems, the Commission has created storage facilities on the Bonnechere river at Round lake and Golden lake, providing regulation for the flow past the Renfrew municipal hydraulic plants, and for other plants between Renfrew and the storage dams. The immediate direction of the manipulation of this storage is done by the electrical superintendent for Renfrew. Arrangements for operating the logs and recording the lake elevations have been made with residents in the vicinity of the dams. The dams were inspected shortly before the end of the year and the maintenance work required on these dams has been completed.

Storage at Cobden

The storage dams at Cobden constructed by the Commission for the municipality of Cobden were inspected during the year and found to be in good condition.

Storage at Dog Lake

The storage dams constructed by the provincial Department of Public Works at the head of Dog river for the regulation of the flow of the Kaministikwia river were visited by an engineer, and conditions in regard to the dams favourably reported on, although the storage held for the regulation of the river had been very largely depleted.

St. Mary River

A report was prepared for the municipality of Sault Sainte Marie in connection with the development of power from the St. Mary river. An engineer from the Hydraulic department made an examination of all the features in connection with the development of the residuary power for the municipality. In connection with this matter, records extending over sixty years were examined, and a report was furnished to the municipal authorities. The river is international; it has power developments on both sides as well as locks, and certain water for other purposes is required to be spilled and used. Fixed maximum and minimum elevations of lake Superior must be preserved in the interests of navigation which here is of supreme importance.

Besides the above, a summarized history was given of the orders and opinions of the International Joint Commission affecting the regimen of the St. Mary river.

The possible sites for further power development were found to be in the rapids, or by an extension at the site of the Great Lakes Power Company.

The report demonstrated it was reasonable to predict that, under ordinary load-factor conditions, a commercially saleable capacity of 16,000 horsepower could be obtained from the actually available supply of surplus primary and secondary discharge.

GENERAL HYDRAULIC INVESTIGATIONS

Upon request of the Minister of Lands and Forests, the engineers of the Hydraulic department have reported on the plans of certain proposed hydro-electric and hydraulic plants.

Preliminary information has been prepared and forwarded in answer to many inquiries regarding possible developments throughout the Province. Often such service is supplied from the records of the Commission without the necessity of making special field investigations.

SECTION V

ELECTRICAL ENGINEERING AND CONSTRUCTION

(STATION SECTION)

NIAGARA SYSTEM

QUEENSTON GENERATING STATION

Power House Superstructure

The erection of the superstructure is complete for five units, and the interior walls and compartments necessary for the installation of the electrical apparatus for all units up to and including No. 5 are practically complete. Some interior finishing of floors and walls remains to be done.

Generators

No. 4 generator was turned over for the first time on November 21, and was placed in commercial service on November 30, 1922.

No. 5 generator was turned over on March 21, and placed on load on April 8, 1923. Complete electrical tests were conducted on this unit in July and August, but during the insulation test one coil failed. Due to load conditions, this coil was not replaced at the time, but a coil from each group of the winding was disconnected and the machine again placed in operation. It was agreed to delay the repairs until the spring of 1924, when load conditions will permit the machine being released from service.

Transformers and Switching Equipment

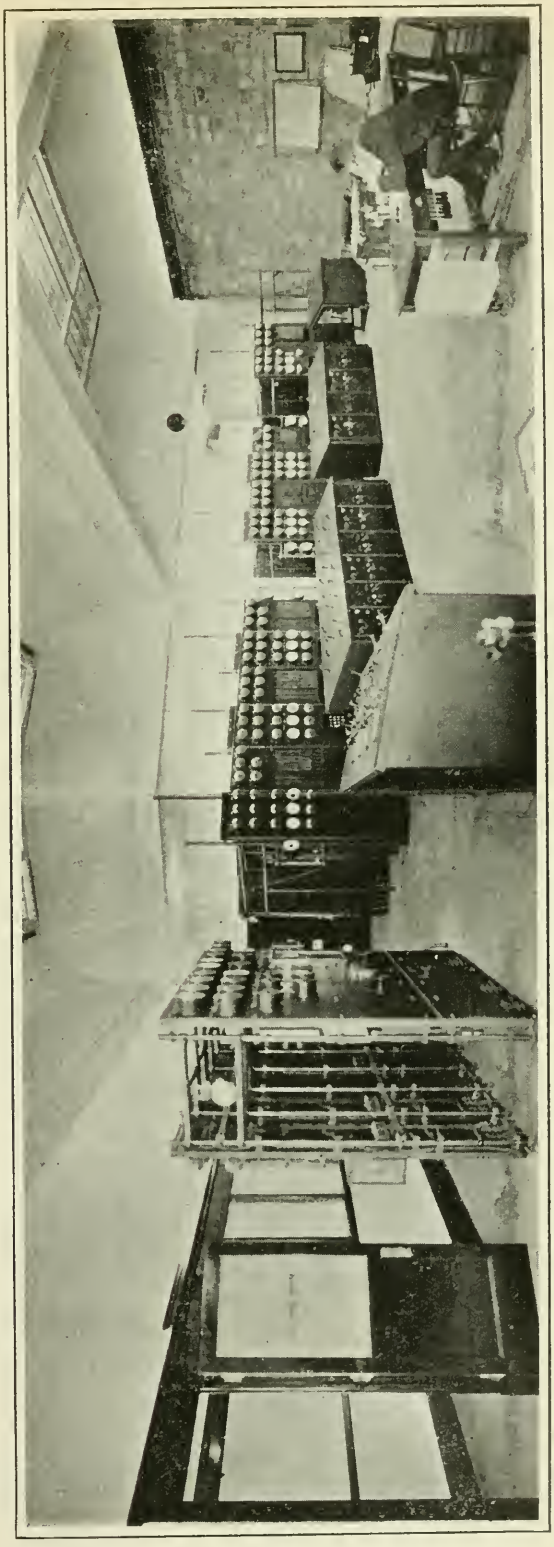
The transformers and switching equipment for Nos. 4 and 5 units were installed and placed in service at the same time as their respective generators. The transfer of switchboard equipment to the permanent control room has been successfully carried out.

Screen House

The superstructure of the screen house, to take care of six units, and the Administration building are complete with the exception of the interior treatment of the latter.

QUEENSTON EXTENSION

The steady increase in demand for power on the Niagara system made it imperative to increase the generating capacity of this station to take care of this load. After due survey of the power requirements, authorization was given on January 19, 1923, to proceed with the extension of the development for three additional units and to rush the work on the first or No. 6 unit, so as to have it available for service at the time of the peak load in December.



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Power house: Control room for generating units Nos. 1 to 6

Power House Superstructure

Plans and specifications have been prepared for the extension of the superstructure 126 feet to the north of the present building in order to accommodate the three additional units.

The framework of the extension will be of structural steel and the floors of reinforced concrete. The walls will be of concrete to the top of the parapet on the generator-room roof, and above this they will be of interlocking tile, surfaced with cement gunite. The interior partition walls, excepting those supporting electrical apparatus, will be built of hollow tile. A fireproof barrier wall will be constructed across the westerly portion next to the cliff, between the present building and the extension. This wall will have an opening through which to move the transformers. The opening will be equipped with a rolling steel door.

The structural steel, approximately 1,100 tons, was supplied by the Canadian Bridge Company, Limited, of Walkerville.

The windows, kalamein doors and trim, also all louvres and dampers, have been ordered from the A. B. Ormsby Company, Limited, of Toronto. All the ornamental-iron hand-railings are being supplied by the Architectural Bronze and Iron Works of Toronto.

Auxiliary Equipment

Three fans, each with a capacity of 120,000 cubic feet per minute, for conducting the warm air away from the generators, are on order from the Canadian Blower and Forge Company of Kitchener. The induction motors for driving these fans were purchased from the English Electric Company of St. Catharines.

Generators

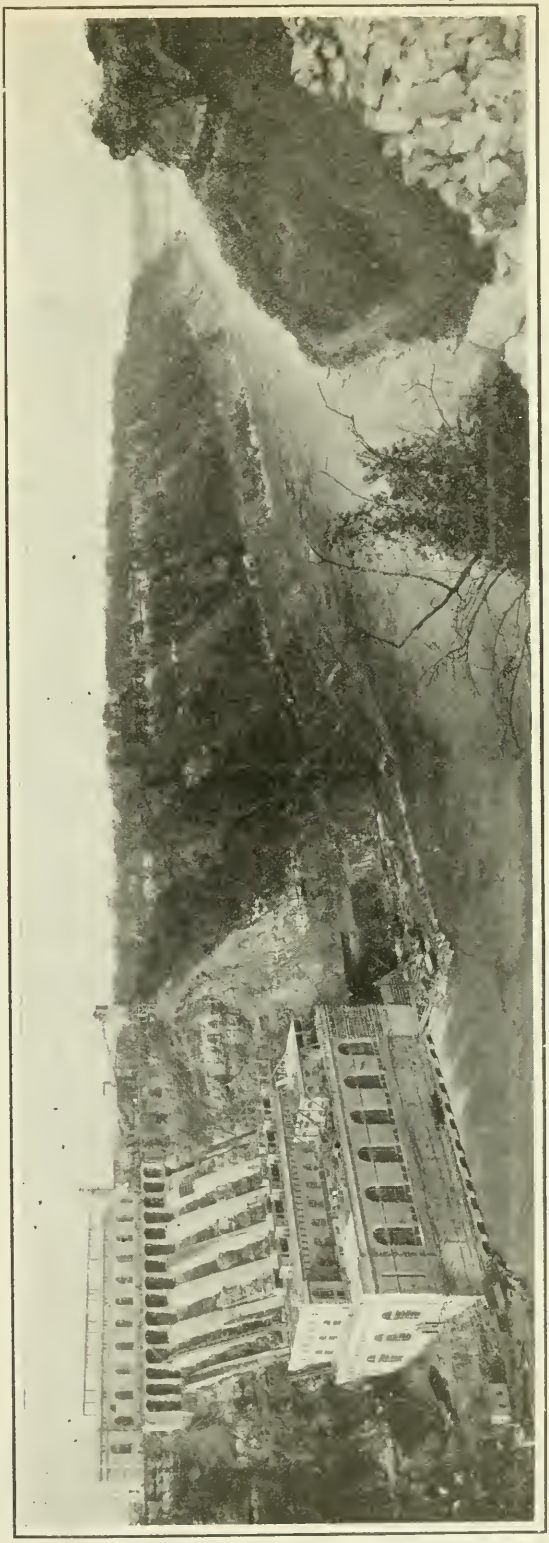
On January 18, 1923, an order was placed with the Canadian Westinghouse Company for an additional generator to be known as No. 6 unit. This generator will have a rating of 55,000 kv-a. 80 per cent power factor, 12,000-volt, 3-phase, 25-cycle, 187.5 r.p.m. and will be complete with a direct-connected exciter, voltage regulator and accessories. On January 29, an order was placed with the Canadian General Electric Company for two similar generators of 54,000-kv-a. capacity, to be known as No. 7 and No. 8 units. It was desirable to have machines of the same frame dimensions as those previously installed. From tests conducted on those machines, the two manufacturers determined that these capacities were the largest that could be obtained with their respective frames.

Transformers

On February 19, 1923, an order was placed with the Canadian Westinghouse Company for nine single-phase transformers for Nos. 6. 7 and 8 banks. These transformers will each have a capacity of 18,330-kv-a. and will be similar in all other respects to the 15,000-kv-a. transformers now in operation, except that the tanks will be 10 inches higher and they will not be equipped with expansion tanks, the new "Inertaire" scheme for conserving the oil being used. Provision will be made, however, for the installation of expansion tanks if considered advisable later.

Switching Equipment

On March 27, 1923, an order was placed with the Canadian Westinghouse Company for fifteen type "C4", 15,000-volt, 3,500-ampere and four type "GA4" 135,000-volt, 600-ampere oil circuit-breakers.



QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Power house and lower Niagara gorge looking north-west towards Queenston from the United States side of the Niagara river, October 27, 1923

On April 12, 1923, an order was placed with the Canadian General Electric Company for eight type "F.H.K.O.39", 132,000-volt, 600-ampere, oil circuit-breakers. Three sets of 12,000-volt, 3,000-ampere, current-limiting bus-reactors and three oxide-film arresters were also ordered from this Company.

The bus-supports, disconnecting-switches and line entrance bushings were all ordered from the Dominion Insulator and Manufacturing Company, Niagara Falls, Ontario. The necessary control switches, relays, meters, etc., will be duplications of those supplied for the other units.

Progress

Work on the extension is at present being confined to No. 6 unit. The structural steel is erected and approximately sixty per cent of the main floors and walls of the superstructure is now complete. A temporary end wall is being built immediately north of No. 6 section.

The assembly of No. 6 generator is nearing completion and the work of aligning the turbine and generator is under way. The windings are being dried out, using direct current from the auxiliary motor-generator set.

Two of the 18,330-kv-a. transformers have been received.

Approximately forty per cent of the high- and low-voltage switching equipment, including oil circuit-breakers, disconnecting-switches and busses, has been installed. The switchboards have all been erected.

Screen House

The plans and specifications have been prepared for the extension of the present screen house 100 feet to the north and the construction is under way.

The extension will be of similar construction to the present building. The structural steel, approximately 55 tons, is on order from the Canadian Bridge Company, Limited, of Walkerville and the steel sash and window frames from the A. B. Ormsby Company, Limited, Toronto.

ONTARIO POWER COMPANY GENERATING STATION

In January, arrangements were made with the Canadian General Electric Company to rebuild and install No. 16 15,000-kv-a. generator, using undamaged parts from the original unit, excepting the rotor spider, and providing a pole-face winding to enable the generator to be used later as a synchronous condenser.

It was decided to install the rebuilt generator in No. 15 position. The original bed plate was therefore moved from No. 16 to No. 15 position by the Operating department, which also overhauled the 12,000-volt switching equipment and cables and the auxiliary equipment.

The installation of the rebuilt unit is under way and is scheduled to be completed in time for the peak load in December.

Beamsville Distributing Station

The pole-type station, mentioned in last year's Annual Report, was completed on November 29, 1922, but was not put in service until January 9, 1923.

Beaver Wood Fibre Company Station

In May, authorization was given for the purchase and installation of a Westinghouse recording reactive-volt-ampere meter and necessary equipment at the Beaver Wood Fibre Company, on the incoming 12,000-volt lines from the Ontario Power Company.

The meter was obtained from Ontario Power Company stores and installed by the Operating department and placed in service on October 12, 1923.

Chippawa Distributing Station

The pole-type station, mentioned in last year's Annual Report, was completed and placed in service on March 28, 1923.

Grimsby Distributing Station

The pole-type station, mentioned in last year's Annual Report, was placed in service December 4, 1922.

Lincoln Distributing Station

To provide for the increasing rural load in the vicinity of St. Catharines and for changing the distribution voltage from 2,300 to 4,000, it was decided, in June, to build an outdoor 12,000/4,000-volt station at St. Catharines, incorporating it in the 12,000-volt outdoor extension to the St. Catharines Vine street station.

Provision has been made for the installation of one 12,000-volt incoming line, one 12,000-volt outgoing feeder, two 300-kv-a. three-phase transformers and three 4,000-volt outgoing feeders. The 12,000-volt switching-equipment and the 300-kv-a. transformers are to be of outdoor-type and the 4,000-volt feeder equipment of indoor-type.

In the initial installation, this station will be supplied from the middle of the St. Catharines municipal station 12,000-volt bus and one 12,000-volt breaker, only, will be installed. The line side of this breaker will be connected through disconnecting-switches to the Grimsby 12,000-volt line and also through disconnecting-switches and Schweitzer and Conrad fuses to one 300-kv-a., 12,000/4,000-volt, three-phase transformer. The 12,000-volt Grimsby line is equipped with choke-coils and lightning-arrester.

The 4,000-volt connections from the 300-kv-a. transformer to the 4,000-volt bus in the station will consist of three-conductor, lead-covered, armoured cable laid in the ground with disconnecting-switches to cut the transformer off the bus. Two 4,000-volt feeder-panels, complete with oil circuit-breakers, relays and graphic meters will be installed at present, one for the Port Dalhousie and the other for the Grantham township and Jordan feeders. These feeders will be taken underground, using armoured cable, to the 4,000-volt lines about 200 feet from the station.

The totalizing metering equipment, which is now installed at Merritton substation, to measure the total St. Catharines load, will be transferred to this station, and current-transformers will be installed in the 12,000-volt incoming lines and the Commission's 12,000-volt feeder, so that the Commission's load will be subtracted from the total, thus giving the correct St. Catharines load.

The 12,000-volt outdoor oil circuit-breaker was purchased from Ferguson, Pailin Limited; the 12,000-volt oxide-film lightning-arresters from the Canadian General Electric Company; the 300-kv-a. 12,000/4,000-volt, three-phase rural-type transformer from the English Electric Company of Canada, Limited; the three-conductor No. 1 lead-covered armoured cable and control cables from the Standard Underground Cable Company; the 12,000-volt current-transformer, the totalizing meter-panel, and the one 4,000-volt feeder-panel with oil circuit-breaker, relays, etc., from the Canadian Westinghouse Company.

The 12,000-volt disconnecting-switches, choke-coils and fuses have been ordered from the Commission's production and service department. The existing 2,300-volt feeder-panel will be used for the Grantham township feeder.

The layout drawings are being prepared by the Commission's engineering department and are practically completed. This equipment will be installed by the Public Utilities Commission of St. Catharines when they are building the extension to their own station, and should be completed early in 1924.

Merritton Municipal Station

To take care of the increasing load on this station, the Commission on October 17, 1923, authorized the purchase and installation of a 300-kv-a., 3-phase, outdoor-type English Electric Company transformer to be installed outside the present station and connected in parallel with the existing bank of three 88.5-kv-a. single-phase transformers.

Drawings have been prepared and the work is being carried on by the Construction department. This should be completed in December, 1923.

Niagara Falls Municipal Station

The installation of the equipment in the new substation, mentioned in last year's Annual Report, was completed on March 16, 1923. The first feeder from this station was placed in service on February 8, and the entire city load was carried on February 25, 1923.

Engineering assistance was given by the Commission in the purchase of equipment for an additional 3-phase lighting-feeder. This feeder was installed by the Construction department with temporary equipment and was ready for service on October 27, 1923. Permanent equipment has been ordered from the Canadian General Electric Company and is to be installed in January, 1924.

Ontario Power Company Distributing Station

In December, a 2,300-volt feeder-equipment was installed in the Ontario Power Company distributing station, with one 3-conductor, No. 0 armoured, lead-covered cable up the hill to connect with the cable to the Niagara Falls waterworks. This feeder is equipped with an oil circuit-breaker, and connections from the station service-transformers are arranged to give three sources of supply.

Preliminary investigations have been made as to the possibility of installing differential relay protection on generators No. 1 to No. 14 inclusive.

In December, 1922, the Commission authorized the installation of the Northern Electric Company's type "P.A.X.", 100-line, automatic telephone equipment, in the Ontario Power Company's office building, with a 50-pair, lead-covered, armoured, underground cable to the Queenston generating station and a 15-pair similar cable to the Electrical Development Company's generating station and the Ontario Power Company's headworks. The cables were purchased from the Eugene F. Phillips Electrical Works and are being installed by the Transmission section of the Electrical Engineering department. The connections in the stations are being made by the Operating department. This equipment should be in service by January 1, 1924.

Peter Lyall and Sons Metering Station

On May 9, 1923, authorization was given to purchase and install permanent metering equipment, consisting of two Lincoln graphic-recording wattmeters

with necessary potential and current-transformers to replace the temporary metering equipment.

The work was carried out by the Operating department and the equipment placed in service on September 11, 1923.

PORT COLBORNE TRANSFORMER STATION

Estimates are being prepared on the construction, in 1924, of a substation at Port Colborne to replace the existing station, which will be dismantled, the site being required by the Department of Railways and Canals for the improvements to the Welland Canal.

Port Colborne Distributing Station

As the present bank of transformers was not large enough to take care of the combined load of Port Colborne and Humberstone and as this station would shortly be dismantled to make way for the new Welland canal, temporary relief measures were necessary. The Commission on August 22, 1923, authorized the temporary installation of a bank of two 50-kv-a., Packard Electric Company and one 60-kv-a., Canadian Crocker Wheeler Company transformer (in reserve at the old Port Colborne distributing station) and one 2,300-volt feeder to take care of the load on the section of Port Colborne lying east of the Welland canal.

The work was carried on by the Operating department and the equipment placed in service on October 29, 1923.

St. Catharines Municipal Station

In March, the Commission authorized engineering assistance to the Public Utilities Commission of St. Catharines in rearranging the 12,000-volt layout of their Vine street station. The 12,000-volt equipment and 12,000/2,300-volt power transformers will be located outdoors and one 12,000/550-volt power transformer and the 2,300-volt feeder-equipments will be located in the existing building. Incorporated in this station will be a 12,000-volt layout for the Commission's Lincoln distributing station as outlined elsewhere.

The 12,000-volt outdoor switch-structure will be built of two-inch iron pipe and provision will be made on this for two 12,000-volt incoming lines, three banks of 500-kv-a., 12,000/2,300-volt, single-phase transformers, two outgoing 12,000-volt power feeders for St. Catharines and one 12,000-volt incoming line, also the two 300-kv-a. 12,000/4,000-volt, three-phase transformers and one outgoing 12,000-volt feeder for the Commission.

The initial installation will include two 12,000-volt incoming line equipments, each consisting of an oil circuit-breaker, choke-coils, disconnecting switches and a lightning-arrester, and one 12,000-volt outgoing feeder with similar equipment, except that two sets of disconnecting-switches will be installed on the line side of the breaker for feeding two 12,000-volt lines. Two banks of 500-kv-a. single-phase transformers will be installed and connected to the main 12,000-volt bus through disconnecting-switches and to the 2,300-volt bus through three-conductor, armoured, lead-covered cable and 2,300-volt, indoor-type oil circuit-breakers.

The relay-protection on the two incoming 12,000-volt lines will consist of both reverse-power and overload relays. Overload relays only will be installed on the 12,000-volt outgoing feeder. Control connections from the oil circuit-breakers and current-transformers to the switchboard will be of armoured lead-covered cable laid in the ground.

The 12,000-volt oil circuit-breakers were purchased from Ferguson, Pailin Limited, the 12,000-volt oxide film arresters and the 12,000/100-volt outdoor potential-transformers from the Canadian General Electric Company, and the switchboard-panel and relays from the Canadian Westinghouse Company. The 12,000-volt disconnecting-switches, fuses and choke-coils were ordered from the Commission's production and service department. The 500-kv-a. transformers were purchased from the Packard Electric Company.

The layout drawings have been prepared and all apparatus ordered by the Commission's Engineering department. The installation is being done by the Public Utilities Commission of St. Catharines and should be completed early in 1924.

The existing 2,300-volt layout in the station is being rearranged due to the removal of the 12,000-volt equipment. The work is being taken care of entirely by the local Commission.

St. Davids Distributing Station

To take care of the increasing load in this district, the Commission, on August 22, 1923, authorized the purchase and installation of the equipment necessary for a pole-type station to be fed from the 12,000-volt line to Niagara-on-the-Lake. The station will consist of one 300-kv-a. three-phase, outdoor-type English Electric Company transformer, 13,200-volt choke-coils, disconnecting-switches and fuses and one 4,000-volt feeder with fuses and graphic-recording meter.

Plans have been prepared and the installation is now being carried out by the Construction department.

Whirlpool Distributing Station

During the year, the 12,000-volt and most of the 4,000-volt switching equipment has been removed from this station. The air compressor section of this building is now the only section being used. This is being supplied with 4,000-volt power from Queenston generating station.

NIAGARA TRANSFORMER STATION

As mentioned in last year's Annual Report the installation of the "C.R." reverse power and "C.O." ground relays on the incoming 12,000-volt feeders from the Canadian Niagara Power Company was completed in November, 1922.

The installation of the three Canadian General Electric Company's current-limiting reactors in set "C" location was also completed and the reactors placed in service in December, 1922. The extension of the air exhaust system for these reactors was completed in June, 1923.

The changes in the 110,000-volt, outdoor, resistance-type oil circuit-breakers were not made during the year as it was impossible to release these breakers from service. Due to changes in the 110,000-volt line connections it is expected to be able to finish this work before January 1, 1924.

During the year, galvanized wire fences were placed around the cooling ponds, the work being completed in August, 1923.

DUNDAS TRANSFORMER STATION

On the morning of November 23, 1922, a serious fire occurred in Dundas transformer station, caused by a failure of a porcelain bushing in an oil circuit-

breaker on one of the 13,200-volt feeders. The building was slightly damaged, and all the 13,200-volt equipment was practically destroyed. The windings and bushings of the seven 2,500-kv-a. transformers were partially destroyed. The arc at the defective bushing communicated to the control circuits and rendered them inoperative, thus making it impossible for the relays or the operators to clear the circuits in trouble. By emergency connections, made by the Operating department, power service was restored the same morning.

It was decided to replace the transformers with one bank of three 5,000-kv-a. transformers and install more modern 13,200-volt switching equipment and larger capacity breakers. Authorization was given in January, 1923, for the repairing of the building and the installation of this new equipment. One transformer was obtained from Hamilton transformer station where it had been installed as a spare transformer, while the other two transformers were obtained from the Canadian Westinghouse Company's factory, Hamilton, where they had been completed on a reserve equipment order. The new 13,200-volt feeder-equipment is made up of Canadian Westinghouse Company type "GA-3" oil circuit-breakers, Ferguson, Pailin Limited disconnecting-switches and insulators, Canadian Westinghouse Company current-transformers and Canadian General Electric Company oxide-film lightning-arresters. The west wall of the control room and the north-west and south-west corners of the building were torn down and rebuilt. The partition-wall at the rear of the transformers was carried up to the roof and a partition-wall was constructed at the rear of the erection room. A section of the floor of the low-tension room was reconstructed and reinforced, with a repair-pit opening in the transfer runway. A new 50-ton transfer-truck was purchased from McGregor and McIntyre, Limited. Oil-barrier walls, with drains, were constructed around each of the 110,000-volt breakers. The large door was reconstructed with a transom. The work is being done by the Construction department, and the transformer bank with one 13,200-volt feeder to Hamilton was placed in service on September 23, 1923, while the other feeders, it is expected, will be placed in service in November, 1923.

In May, 1923, authorization was given to provide switching equipment for an additional 110,000-volt circuit to Toronto. It was decided to replace the present bus-tie breaker with a Canadian Westinghouse type "GA-4" breaker and connect it up to the two 110,000-volt busses for use as a line-breaker, and use former No. 2 transformer bank breaker as a bus-tie breaker. The removed bus-tie breaker will be stored at the station. This work is being done by the Construction department and it is expected will be completed in November, 1923.

In October, authorization was given for the construction of a new wash room and lavatory in the east basement to replace the one damaged by the fire, also for a septic-tank and disposal-bed. This work was partially completed on October 31, 1923.

The 45-foot extension to the east end of the station, mentioned in last year's Annual Report, was completed by the Construction department and the new equipment was placed in service on April 7, 1923.

Caledonia Distributing Station

To take care of the increasing load at this station it was found necessary to increase the transformer capacity. Authorization was given by the Commission on April 18, 1923, to replace the three 150-kv-a., single-phase transformers with two 300-kv-a., 3-phase English Electric Company transformers. This work was carried out by the Construction department, and the new trans-

formers were placed in service September 2, 1923. The old 150-kv-a. transformers were shipped to Norwich distributing station.

Dundas Rural Distributing Station

The pole-type station mentioned in last year's Annual Report was completed by the Construction department and placed in service May 2, 1923.

Hagersville Distributing Station

As this station was considerably overloaded, it was decided to increase the transformer capacity. In April, 1923, authorization was given to purchase and install one 300-kv-a. 3-phase Packard Electric Company transformer outside the station to feed Hagersville at 2,300 volts. The existing bank of three 150-kv-a. transformers was reconnected for 4,000 volts to feed Hagersville Quarries, Limited. The above changes were completed and the transformers placed in service on June 20, 1923. It is proposed, in a short time, to connect the new 300-kv-a. transformer and the bank of three 150-kv-a. transformers in parallel for 4,000 volts for all the feeders.

Authorization was given in September, 1923, to purchase and install in Hagersville distributing station a feeder-panel to supply 4,000-volt power to the municipality of Jarvis.

This installation is being made by the Construction department and should be complete in November, 1923.

Waterdown Distributing Station

To provide for the increasing load in this district, the Commission on July 31, 1923, authorized the purchase and installation of the equipment necessary for a pole-type station to be fed from the 13,200-volt line from Dundas transformer station. The station will consist of a 300-kv-a., 3-phase outdoor-type Packard Electric Company transformer with 13,200-volt choke-coils, disconnecting-switches and fuses and two 4,000-volt feeders with fuses. One feeder is for Waterdown village, the other is for a rural district. The load on the Waterdown feeder will be measured by graphic-recording wattmeters, while the rural feeder load will be measured by an indicating-demand meter, the metering equipment being housed in a small galvanized-iron building.

Plans have been prepared and the installation work which is being done by the Construction department should be completed early in 1924.

TORONTO—STRACHAN AVENUE TRANSFORMER STATION

The installation of the first new oil circuit-breaker for the two 110,000-volt lines together with the new reverse-power (directional) relays referred to in last year's Annual Report was completed on June 20. The second breaker with the new relays for the second line was placed in service on September 8, and the new relays on the 110,000-volt line breaker at the south end of the station on September 27.

A fire-escape was provided for the control room. Brick barrier walls were constructed in front of the lightning-arresters and in the high-tension switch-room while brick curbs were constructed around the stair openings leading to the basement. A concrete curb with catch-basins, connected to sewers, was constructed along the east side of the original section of the station

to improve the drainage. A lavatory with shower-bath was provided on the gallery at the north-west corner of the building. This was completed in October.

The temporary installation of the sixth bank of 5,000-kv-a. transformers, to which reference was made in last year's Annual Report, was completed on August 17. The transformers and oil circuit-breakers were mounted on concrete foundations. The transformers were tested, operating in parallel with the transformers in the station, and are now being used to carry part of the station load. In September, it was decided to provide protection from freezing for the water piping, and the contract for this was awarded to Armstrong Cork and Insulation Company, Toronto. This work was practically completed during October.

All the work referred to except the lagging of the water piping was carried out by the Construction department.

NEW TRANSFORMER STATIONS IN TORONTO

To provide for the increasing load in Toronto, it was decided in January to proceed with the erection of two new outdoor transformer stations with an initial capacity at each station of 30,000-kv-a. of two banks of three 5,000-kv-a., 110,000/13,200-volt transformers with necessary switching-equipment. These stations are to be known as Toronto Wiltshire avenue transformer station and Toronto Bridgman avenue transformer station. Plans were later changed to provide for three banks of transformers in the former station.

WILTSHIRE AVENUE TRANSFORMER STATION

Location

This station is located on the east side of Wiltshire avenue just south of Davenport road, adjoining the right-of-way of the Toronto Power Company's transmission lines.

General Description

An outdoor-type station is being built with electrical connections and disconnecting-switches supported on steel structures. The transformers will be located over concrete tunnels in which all oil and water piping and control cables will be located.

The Toronto Hydro-Electric System will connect its cables, which will be run underground, to the Commission's 13,200-volt disconnecting-switches, and will also mount fifteen disconnecting-switches for each bank of transformers on the steel structure.

Capacity

The first installation will be two banks of three 5,000-kv-a. transformers, but in the design of the station provision for the third bank is being made and also for further future extension.

Transformers

Six 5,000-kv-a. transformers are being supplied by the Canadian General Electric Company. The transformers for the third bank will be ordered later. Three transformers have now been delivered on the site.

Switching Equipment

One 110,000-volt, incoming circuit will terminate at the station and a tie circuit will connect with the Bridgman transformer station. Plans for the high- and low-voltage switching-towers were completed in June and the contract was let to the Canadian Bridge Company.

The outdoor-type 110,000-volt, oil circuit-breakers are being supplied by the Canadian Westinghouse Company from stock orders placed for the Niagara system. Some of these are type "GA-4" and have already been delivered, while the remainder will be type "G2-A" and will be shipped in March, 1924.

The 110,000-volt disconnecting-switches, which are of the "gang-operated" type, and also the 110,000-volt upright insulators, were ordered from the Dominion Insulator and Manufacturing Company of Niagara Falls, in July.

The necessary suspension-type insulators will be supplied by the Canadian Porcelain Company, Hamilton.

The necessary 110,000-volt, air-insulated current-transformers are being manufactured by the Commission's Production and Service department.

In July, orders were placed with the Canadian Westinghouse Company for ten 1,000-ampere, 13,200-volt type "GA-3", outdoor, oil circuit-breakers, four of which will be used at the Bridgman avenue transformer station. The first of these will be shipped in November.

Ten 13,200-volt, outdoor potential-transformers for this and the Bridgman transformer station were ordered from the Canadian General Electric Company in August, and in October an order for four additional potential-transformers was given to the Ferranti Meter and Transformer Manufacturing Company. This latter company is also supplying the fifteen 13,200-volt, 600-ampere, outdoor current-transformers which are required for the two stations.

Of the sixty 13,200-volt, 800-ampere, disconnecting-switches, copper parts for forty-eight were ordered in August from Ferguson, Pailin, Limited of Manchester, England, while twelve have been manufactured by the Commission's Production and Service department. All 13,200-volt insulators are being supplied by the Canadian Porcelain Company, Hamilton.

The control cable, which is rubber-insulated, lead-covered, is ordered from the Standard Underground Cable Company of Canada The switchboard panels are being supplied by the Davis Slate and Manufacturing Company, Toronto. The drilling will be done by the Production and Service department, who will also supply the framework for mounting the panels. The amateurs, voltmeters and indicating wattmeters will be of Weston type and are ordered from Powerlite Devices, Limited, Toronto

The type "CR" directional relays for the 110,000-volt lines and the type "CO" overload relays for the transformer banks have been ordered from the Canadian Westinghouse Company.

The switchboard will be located in a small control building, which will also house the pumps for the water supply to the transformers, and the oil tanks and oil filter.

In September the Construction department started excavation for the footings and control building and has now completed forty per cent of this work and has also constructed the concrete footings for the piping tunnel.

Station Service

Power for station service will be supplied by the Toronto Hydro-Electric system, who will also provide the storage battery for operating the oil circuit-breakers.

Two 300-gallon centrifugal pumps have been ordered from the Northern Foundry and Machine Company, one thirty-gallon oil-filter from W. R. Perrin, Limited, and two oil storage-tanks from the Toronto Iron Works.

The erection of the station and the installation of all electrical equipment will be carried out by the Commission's construction department.

BRIDGMAN AVENUE TRANSFORMER STATION

This station is located on Bridgman avenue on the site of the Toronto, Davenport road station, and to the south of the present building.

In June, it was decided to purchase two lots on the west side of Huron street, adjoining the Commission's property.

The first installation will be two banks each of three 5,000-kv-a. transformers similar to those being installed at Wiltshire transformer station. Provision is being made for a total of five banks.

The high-voltage equipment and lay-out will be similar to that at the Wiltshire transformer station. The station will be fed by one 110,000-volt circuit with the tie circuit to the latter station.

The first bank of three transformers has been delivered to the site while the second bank will be delivered in December. In August, the construction department started excavation work and has completed the concrete footings for one bank of transformers.

It is proposed to place the new switchboard in the control room of the Davenport road station, carrying the control cables in pans, through the tunnel and along the basement ceiling to a point near the south end of the station where the cables will rise up to the control-room. All the low-voltage equipment was ordered at the same time and from the same manufacturers as that for the Wiltshire transformer station.

A transformer oil filter was ordered from W. R. Perrin, Limited, and has been delivered. One 50-ton transfer-truck and two 400-gallon centrifugal pumps with motors were ordered from John T. Hepburn. An auxiliary water supply was obtained from the city mains through a six-inch pipe.

LONDON TRANSFORMER STATION

The installation of the three 5,000-kv-a. transformers as No. 1 bank, which was referred to in the last Annual Report, was completed on February 24, and immediately afterwards the three 2,500-kv-a. transformers were shipped to Guelph transformer station.

The work of mounting a mechanical brake on the 10,000 kv-a. synchronous condenser, referred to in the last Annual Report, is practically complete. The brake will be tried out and placed in service in November.

As the storage batteries for operating the oil circuit-breakers had been in service since 1910, and were in bad condition, it was necessary to purchase a new battery. This was ordered from Exide Batteries of Canada, Limited, Toronto, in April. The capacity of the new battery is equal to the combined capacity of the two old batteries, one of which was originally installed in Toronto Strachan avenue transformer station. The new battery was placed in service on August 7.

To improve the relay system on the three 110,000-volt incoming lines, arrangements were made in April to install reverse power (directional) relays. These were ordered from the Canadian Westinghouse Company and will be connected up and placed in service about the end of December.

On account of the increased load on this and on the three 110,000-volt stations supplied by the lines through London station, it was found necessary in June to replace twelve of the original 110,000-volt disconnecting-switches. The new switch-blades and other copper parts were manufactured by the Production and Service department, while new insulators were purchased from

the Canadian Porcelain Company, Hamilton, on a stock order placed previously. The installation of the new switches will be completed during November.

All of the work is being done by the Construction department.

Delaware Distributing Station

The change of the 4,000-volt, three-phase Delaware feeder to three single-phase feeders, as mentioned in last year's Annual Report, was completed and the equipment placed in service November 9, 1922.

To provide for the increasing load on this station, it was decided to increase the transformer capacity. Authorization was given on May 2, 1923, to remove the present bank of three 25-kv-a. transformers and install three 50-kv-a. transformers removed from Aylmer distributing station. This work is being done by the Construction department and it is expected will be completed in December, 1923.

Exeter Distributing Station

The rural feeder out of this station, mentioned in last year's Annual Report, was completed by the Construction department and placed in service, January 21, 1923.

London (Rural Power District) Distributing Station

In August, 1923, the building of a 13,200/4,000-volt, 150-kv-a. pole-type, station at Glendale, Westminster township, was authorized to supply power to this district.

The electrical equipment will include one 150-kv-a., 3-phase, 26,400-13,200/2,300-4,000-volt Moloney Electric Company transformer with suitable switching and metering equipment for one 4,000-volt feeder.

This installation will be done by the Construction department and should be completed and placed in service early in 1924.

GUELPH TRANSFORMER STATION

In July, 1922, authorization was given to install one spare 2,500-kv-a. transformer in this station. The transformer was obtained from Kitchener transformer station after it had been rebuilt by the Canadian General Electric Company.

The two 1,250-kv-a. transformers, which were formerly installed as spare units, also the third 1,250-kv-a. transformer, were removed and stored at this station. This work was completed by the Construction department on October 31, 1923.

The installation of the new Ferguson, Pailin, Limited, 13,200-volt oil circuit-breakers, protective-screens in the gallery, shower-bath and improvements in the oil-piping systems, as mentioned in last year's Annual Report, was completed by the Construction department and all equipment placed in service March 9, 1923.

A new cooling pond 40 feet by 40 feet by 6 feet was constructed and placed in service in August.

Acton Distributing Station

To take care of the growing load on this station, it was decided to increase the transformer capacity by installing a bank of three 75-kv-a. transformers in

parallel with the bank of three 75-kv-a. Canadian Westinghouse Company transformers already in the station. Authorization was given April 5, 1923, to proceed with this work.

Three 75-kv-a. Canadian Crocker-Wheeler Company outdoor-type transformers were shipped from Leamington distributing station and the installation work, which is being done by the Construction department, should be completed in November, 1923.

Authorization was given for the purchase and installation of a 2,300-volt feeder-panel and equipment for the municipality of Acton on June 6, 1923. The work is being done by the Construction department while installing the second bank of transformers.

Elora Distributing Station

In order to give better protection to the electrical equipment in this station, the Commission on May 2, 1923, authorized the purchase and installation of Schweitzer and Conrad lightning-arresters on a pole adjacent to the station.

The work was done by the Operating department and the equipment placed in service on September 23, 1923.

Fergus Distributing Station

In order to give better protection to the electrical equipment in this station, the Commission on May 2, 1923, authorized the purchase and installation of Schweitzer and Conrad lightning-arresters on a pole adjacent to the station.

The work was done by the Operating department and the equipment placed in service on September 23, 1923.

Georgetown Distributing Station

To provide for the increasing load on Georgetown distributing station, it was decided to increase the capacity by installing two 300-kv-a. 3-phase transformers in place of the present three 150-kv-a. transformers. Authorization was given on February 15, 1923, to carry out this work, and during March and April, 1923, two 300-kv-a. Packard Electric Company transformers were installed by the Construction department and placed in service April 15, 1923.

The released transformers were shipped to Streetsville distributing station.

PRESTON TRANSFORMER STATION

The replacing of No. 1 bank of 750-kv-a. transformers by a bank of 1,250-kv-a. transformers, as mentioned in last year's Annual Report, was completed and the new bank placed in service permanently on May 20, 1923. The alterations to piping to accommodate the larger capacity transformers were also completed.

In December, 1922, authorization was given to further increase the transformer capacity of this station by replacing No. 2 bank of 750-kv-a. transformers by a bank of 1,250-kv-a. transformers. The four 1,250-kv-a. transformers released from York transformer station were obtained and installed by the Construction department. The fourth transformer is to act as a spare unit for the two banks. This work was completed and the bank placed in service on March 11, 1923. Two of the 750-kv-a. transformers were shipped to St. Marys transformer station and four of them are now held at Preston transformer station as reserve equipment.

Preston Rural Power District

In last year's Annual Report, it was stated that authorization was given for the installation of a 300-kv-a. 3-phase transformer at South Waterloo township distributing station to replace the three 20-kv-a., single-phase transformers. In view of the fact that three 75-kv-a., single-phase transformers were in reserve at High Falls generating station, it was deemed advisable to use these instead of the 300-kv-a., 3-phase transformer. These 75-kv-a. transformers were installed in Preston transformer station by the Construction department and placed in service on April 15, 1923. The 20-kv-a. transformers were placed in reserve equipment at Preston.

KITCHENER TRANSFORMER STATION

In May, 1923, authorization was given to purchase and install the necessary outdoor switching-equipment, steel structures and wiring to connect the second 110,000-volt circuit from Preston transformer station to the 100,000-volt bus in Kitchener transformer station. The existing 110,000-volt bus is being extended out through the east end of the building far enough to connect to a future bank of three 5,000-kv-a., outdoor transformers, the 110,000-volt circuit being connected to the outer end of this extension. Provision is also made for future extension of this circuit past this station. This work is being done by the Construction department and will be completed early in 1924. The steel is on order and the concrete footings are complete.

The installation of the new Ferguson, Pailin, Limited 13,200-volt oil circuit-breakers, the 13,200-volt emergency-bus, the new relays and shower-bath, as mentioned in last year's Annual Report, was completed by the Construction department, but the concrete settling basin was not installed. The equipment was placed in service on August 1, 1923, the oil circuit-breakers being placed in temporary service in February, 1923.

Owing to the failure of the four Canadian General Electric 2,500-kv-a. transformers in this station, they were removed and replaced by the four Canadian Westinghouse 2,500-kv-a. transformers which had been released from Essex transformer station. The Canadian General Electric transformers were rebuilt by the manufacturer, after which three of them were shipped to Kent transformer station and one to Guelph transformer station.

Kitchener Municipal Station No. 1

Engineering assistance was given to the Kitchener Light Commission covering a new 13,200-volt underground circuit to this station, the rearrangement of the present incoming lines and the installation of improved relay-protection, consisting of six reverse-power relays (three per line) and three inverse-definite-time overload relays (three point contact) for the two lines. Material is being ordered and installation, which will be completed early in 1924, is being done by the local Commission.

New Hamburg Distributing Station

To take care of the increasing load on this station, it was decided to increase the transformer capacity by installing three 75-kv-a. Canadian General Electric Company transformers, from Streetsville, outside of the present station, in

parallel with the existing bank of three 75-kv-a. Packard transformers. Authorization was given February 13, 1923, to carry out this work.

It is expected that this installation, which is being done by the Construction department, will be completed early in December, 1923.

St. Jacobs Distributing Station

The changes at this station, mentioned in last year's Annual Report, were completed on December 1, 1922.

STRATFORD TRANSFORMER STATION

Authorization was given, in August, 1923, to purchase and install a 26,400-volt oil circuit-breaker and necessary equipment to control the Tavistock feeder. The authorization also covers the changing of the present service breaker into an emergency breaker, connecting the service transformers to the 26,400-volt busses through disconnecting-switches and Schweitzer and Conrad fuses, and the installation of walls 18 inches high around the four 110,000-volt oil circuit-breakers and oil drainage from these basins This work will be completed by the Construction department early in 1924

The installation of a second 1,250-kv-a. transformer bank with high- and low-voltage breakers as mentioned in last year's Annual Report, was completed and placed in service on December 16, 1922, the air and oil piping being also altered to accommodate the larger capacity transformers.

Stratford Municipal Station

The local Commission was given engineering assistance in connection with the purchase and testing of a new 1,500-kv-a. 3-phase, 26,400-13,200/2,300-4,000-volt, oil-insulated, water-cooled, outdoor-type transformer. It was bought from the Canadian General Electric Company and delivered in April.

Further engineering assistance, covering the installation of this transformer and the purchase and installation of other necessary material to increase the capacity of the station and make changes in the switching equipment, was authorized by the Commission on November 22, 1922. These changes consist of replacing the existing 750-kv-a. transformer in No. 1 pocket with the new 1,500-kv-a. transformer and installing the removed transformer in the old station, to be used to supply 2,300-volt power; reconnecting the four power transformers on the low-tension side for 4,000-volts to supply the commercial and street lighting feeders; rearranging the low-tension bus for both 2,300 and 4,000 volts; installing two new lighting feeders and installing new 4,000-volt primary windings in the two regulators.

Drawings are being prepared and all necessary apparatus has been purchased for the above work, which will be carried on by the Construction department and should be completed in the early part of 1924.

Tavistock Distributing Station

A new 575-volt feeder was installed in this station to supply the rural district in the vicinity. The voltage is stepped up to 4,000-volts by three 15-kv-a. power transformers on a pole immediately outside the station.

This was installed by the Construction department, placed in service April 11, 1922, and finally completed August 22, 1923.

ST. MARYS TRANSFORMER STATION

The installation of transformers of greater capacity in this station, as mentioned in last year's Annual Report, has been deferred for the time being.

St. Marys Portland Cement Distributing Station

To take care of the increasing load, it was necessary to increase the transformer capacity at this station. Authorization was given in February, 1923, to replace the bank of three 150-kv-a. Packard Electric transformers with one 1,500-kv-a. 3-phase Packard Electric transformer. This installation was done by the Construction department and the transformer placed in service on June, 8, 1923. The transformer capacity at this station is now 3,000-kv-a. The 150-kv-a. transformers are stored at the station and are being placed on a reserve equipment work order.

The St. Marys Portland Cement Company requested that the Commission parallel the 1,500-kv-a. transformer and the bank of three single-phase, 500-kv-a. transformers on the low-tension bus. In order to operate these banks in parallel, with safety, the Cement Company's busses have to be rearranged and transformer oil circuit-breakers purchased and installed. The work is being done by the Commission for the Company and should be completed early in 1924.

WOODSTOCK TRANSFORMER STATION

The work of replacing the bank of 1,250-kv-a. transformers with 2,500-kv-a. units, mentioned in last year's Annual Report, was carried out by the Construction department and the transformers were placed in service on June 3, 1923. The 2,500-kv-a. transformers with current-transformers for differential relay protection, together with much of the necessary connecting material, were obtained from the London transformer station.

The installation of larger current-transformers in the rural feeder, as mentioned in last year's Annual Report, was completed and the equipment was placed in service, November 2, 1922. An oil circuit-breaker was installed in this feeder by the Operating department and placed in service on March 17, 1923. The fuses on this feeder were replaced by fuses of larger capacity and later design, by the Operating department, and were in service on September 29, 1923.

Due to the increase in the possible short-circuit current on the 13,200-volt bus and feeders, authorization was given in June, 1923, to replace the present 13,200-volt oil circuit-breakers by more modern breakers of much higher rupturing capacity, also to install a 13,200-volt emergency-bus to facilitate maintenance work on the breakers. This work will be carried out in 1924.

Beachville Distributing Station

To take care of the increasing load in this district, authorization was given by the Commission on June 27, 1923, to install a bank of three 150-kv-a. single-phase transformers to replace the present bank of three 75-kv-a. transformers and to change the low-tension voltage from 2,300 to 4,000 volts.

The work was done by the Construction department and the new transformers were placed in service on July 22, 1923.

Owing to the fact that the distribution system could not be changed to 4,000-volts until the Spring of 1924, the low-tension voltage was left at 2,300 for the present.

Norwich Distributing Station

To take care of the increasing load on this station, it was decided to increase the transformer capacity by removing the three 75-kv-a. transformers and installing three 150-kv-a. transformers obtained from Caledonia distributing station. Authorization was given April 18, 1923, to carry out this work and the installation was done by the Construction department, being completed and placed in service October 7, 1923. The three 75-kv-a. transformers which were released were shipped to Aylmer distributing station.

Woodstock Municipal Station

Engineering assistance was given by the Commission in the purchase of three new 375-kv-a., 25-cycle, 26,400-13,200/2,300-575-volt, single-phase, oil-cooled transformers from the Canadian General Electric Company, together with paralleling reactors for three 375-kv-a. transformers at present supplying the pumping station, and also in inspecting the original transformers which failed in service in November, 1922, and which were rebuilt by the Canadian General Electric Company.

The new transformers were completed and delivered in February, 1923.

On the request of the Woodstock Public Utilities Commission, the current-transformers in the Woodstock transformer station, for totalizing the municipal load, were changed for larger capacity units by the Operating department and placed in service on October 2, 1923.

ST. THOMAS TRANSFORMER STATION

The installation of a bank of 1,250-kv-a. transformers to replace a bank of 750-kv-a. transformers, as mentioned in last year's Annual Report, has been postponed.

Aylmer Distributing Station

To take care of the increasing load on Aylmer distributing station, it was decided to increase the transformer capacity. Authorization to carry out this work was given on April 23, 1923, and during September and October the three 75-kv-a. transformers from Norwich distributing station were installed. The three 50-kv-a. transformers which were released were shipped to Delaware distributing station. The new transformers were placed in service October 14, 1923, the work being done by the Construction department.

St. Thomas Rural District Distributing Station

In June, 1923, authorization was given to erect an outdoor-substation on St. Thomas transformer station site with a capacity of 150-kv-a. to step down from 13,200-volts to 4,000-volts to take care of a rural load.

A Ferranti 150-kv-a. 3-phase transformer, whch was in reserve at St. Thomas transformer station, was installed and connected to the spare feeder. This work was done by the Construction department and the station placed in service on July 31, 1923.

St. Thomas Municipal Station

In January, 1923, the St. Thomas Hydro-Electric Commission requested the installation of reverse-power relays, with additional current-transformers, on its two 13,200-volt incoming parallel lines. This work was done by the Construction department and the equipment was placed in service on September 20, 1923.

BRANT TRANSFORMER STATION

On February 21, 1923, authorization was given to replace twelve 110,000-volt disconnecting-switches on the high-tension lines through Brant transformer station with switches of larger capacity and improved design made by the Commission. This work was completed and the equipment was placed in service on May 11, 1923.

On June 25, 1923, trouble developed in the 110,000-volt transformer breaker. Repairs were made, but the breaker again developed trouble and was replaced on October 11 by one which had been strengthened and improved by the Operating department, and held in storage at Dundas transformer station.

The 26,400-volt current-transformers on the two Brantford feeders were rewound for 200-100/5-5 amperes, and placed in service July 21, 1923. All the above work was done by the Operating department.

A wire fence was erected around the water-cooling pond in July, the work being done by A. R. Lundy, Toronto.

To take care of the increase in the load on this station, authorization was given on July 31, 1923, to add an outdoor transformer bank of three 5,000-kv-a. transformers and to replace the present spare 2,500-kv-a. transformer with a 5,000-kv-a. unit. The authorization also included the necessary switching equipment for two additional 26,400-volt feeders.

The 110,000-volt bus will be extended out through the west wall to serve the 5,000-kv-a. transformers through a new 110,000-volt oil circuit-breaker. Sectionalizing disconnecting-switches will be installed in the 110,000-volt bus between the line through the station and transformer bank No. 1 and also between bank No. 1 and bank No. 2. The tap from the through line past the station will be disconnected from the south end of the bus and carried over the building and connected to the new bus-extension. The tap pole-structure on this line will remain as at present.

The track-runway will be extended through a new large door in the west wall to serve transformer bank No. 2. The transfer-truck and the crane-beams will be strengthened to handle the 5,000-kv-a. transformers. A removable transom will be installed over the large door in the east wall to permit the entrance of the 5,000-kv-a. transformers into the erection room.

The oil and water-piping will be extended to take care of the outdoor transformers. A new water-pump of larger capacity will be installed and a water-cooling tower will be added to the cooling system.

The 26,400-volt bus will be sectionalized and extended through the west wall for two new outdoor feeders and also for connection from transformer bank No. 2. The potential-transformers will be arranged on the different sections of the bus. The switchboard will be extended to include the control of the outdoor breakers and the necessary metering equipment.

An emergency ladder will be installed from the second gallery to the main floor at the west end opposite to the present ladder.

A temporary railway siding was constructed near the station by the Canadian National Railways and the four 5,000-kv-a. transformers, which were purchased from the Canadian General Electric Company, have been received and unloaded.

A Canadian Westinghouse Company outdoor type "GA 4" 110,000-volt oil circuit-breaker and four Ferguson, Pailin, Limited outdoor 26,400-volt oil circuit-breakers have also been received and unloaded.

Work on the concrete foundations is proceeding, and the installation should be completed early in 1924

Ayr Distributing Station

A new 4,000-volt feeder was installed by the Construction department and placed in service August 3, 1923 to supply power to the H.O. Cereal Company.

Brantford Municipal Station

The six Canadian General Electric "K9" current-transformers in the 26,400-volt lines were shipped to Toronto and rewound from 60-120/5 amperes to 100-200/5 amperes by the Operating department. They were returned to Brantford in the latter part of October.

Norfolk Distributing Station

To take care of the increase in load, authorization was given in January, 1923, to erect an outdoor-type station adjacent to the Simcoe municipal station and install a 300-kv-a. 3-phase transformer to operate in parallel with the bank of three 100-kv-a. transformers in Simcoe municipal station, the two banks to serve the combined load of Simcoe and Port Dover at 4,000-volts.

A Packard Electric transformer was purchased and the station erected by the Construction department and placed in service January 26, 1923.

Paris Municipal Station

Engineering assistance to the local Commission was authorized on May 2, 1923, to increase the transformer capacity on account of additional load.

Three 200-kv-a. single-phase transformers were removed and two 750-kv-a. three-phase, water-cooled transformers, purchased from Chatham, were installed, together with the necessary 2,300-volt oil circuit-breakers. The first 750-kv-a. transformer was placed in service on August 12, 1923, and the second went into service on October 14, 1923.

A water pump was purchased from J. T. Hepburn, Limited, for an emergency water supply and will be installed early next year. The normal water supply for the transformers is obtained from the city waterworks.

The station load will be totalized on the 2,300-volt side of the transformers and metered by a graphic-recording wattmeter and a graphic-recording reactive-volt-ampere meter, which with the necessary current-transformers will be the property of the Commission. This should be installed early next year.

St. George Distributing Station
in Brant Transformer Station

To take care of the increase of the Brantford Sand and Gravel Company's load and the necessity of supplying power to the Mohawk Sand and Gravel Company, it was necessary to increase the transformer capacity of this station. Authorization for this work was given in April, 1923. Three 50-kv-a. Canadian General Electric single-phase transformers were obtained from the Essex County system and installed outside the west end of Brant transformer station and connected in parallel with the existing bank of three 50-kv-a. transformers. This installation was done by the Construction department and the transformers placed in service May 11, 1923. Arresters will be installed in the 4,000-volt leads of each bank.

Waterford Distributing Station

In order to supply power to the Waterford rural district, the Commission, on June 6, 1923, authorized the purchase and installation of the necessary equipment for a 4,000-volt rural feeder out of this station, with an indicating demand-meter to measure the load. The work was carried out by the Construction department and the feeder placed in service on October 10, 1923.

COOKSVILLE TRANSFORMER STATION

During July, 1923, the frequency-changer set was dismantled and together with the three 350-kv-a., 25-cycle transformers was shipped to Mount Forest for operation in the Mount Forest frequency-changer station. The work was completed on July 29, 1923.

Port Credit Distributing Station

The change in low-tension voltage from 2,300 to 4,000, mentioned in last year's Annual Report, was carried out by the Construction department, and completed May 6, 1923.

To take care of the increasing load, authorization was given on February 13, 1923, to increase the transformer capacity by installing one 300-kv-a., three-phase transformer outside of the station in parallel with the existing bank of three 75-kv-a. transformers. A new Ferguson, Pailin 13,200-volt oil circuit-breaker was installed controlling both the old and new transformers on the high-voltage side. This replaces the old and much lighter type of oil circuit-breaker. The installation was completed and the equipment placed in service September 20, 1923.

Streetsville Distributing Station

To take care of the increasing load on this station, authorization was given February 13, 1923, to replace the bank of three 75-kv-a. transformers with three 150-kv-a. transformers from Georgetown distributing station. This work was completed by the Construction department and the transformers placed in service on April 15, 1923. The 75-kv-a. transformers, which were released, were sent to New Hamburg distributing station.

Toronto Township Distributing Station

As the three 350-kv-a. transformers that supplied power to the Toronto township feeder were removed from Cooksville transformer station, the Commission on July 31, authorized the installation of three 50-kv-a. transformers to serve this load. Three Siemens' transformers, from the Toronto storehouse, were used. This work was done by the Construction department and the transformers placed in service on July 29, 1923.

KENT TRANSFORMER STATION

The increase in the transformer capacity of this station, mentioned in last year's Annual Report, was deferred as the transformers intended for this station were shipped to Kitchener transformer station. This was necessary due to the failure of the 2,500-kv-a. transformer bank at Kitchener. The transformers from Kitchener have been rebuilt by the Canadian General Electric

Company and three of them have been shipped to Kent transformer station where they will be installed by the Construction department early in 1924, replacing the existing bank of 1,250-kv-a. transformers.

Fletcher Distributing Station

The 150-kv-a. pole-type station, mentioned in last year's Annual Report, was completed and placed in service December 22, 1922.

Perch Distributing Station

The pole-type station to supply power to the Petrolia waterworks at Perch, mentioned in last year's Annual Report, was completed and placed in service on December 1, 1922.

In order to supply power and light to the Petrolia rural district and a camping resort on lake Huron, authorization was given in June to purchase and install at Perch distributing station a 15-kv-a. single-phase transformer to be connected to the 550-volt circuit at the station to step up to 2,300 volts, the load to be measured by a Lincoln demand-meter. The work was done by the local superintendent of the Petrolia Public Utilities Commission and the transformers placed in service on August 10, 1923; the meter was placed in service on October 19, 1923.

Ridgetown Distributing Station

To take care of the increasing load at this station, authorization was given February 13, 1923, to increase the transformer capacity by installing three new 150-kv-a. Packard Electric Company transformers outside the station, replacing the existing bank of three 75-kv-a. transformers. This work was completed by the Construction department and the transformers placed in service August 20, 1923. The three 75-kv-a. transformers were shipped to Tilbury distributing station.

At the request of the Ridgetown Public Utilities Commission in July, 1923, arrangements were made to install a separate 4,000-volt municipal feeder out of Ridgetown distributing station for the local waterworks station. This was completed and ready for service October 6, 1923.

Sarnia Municipal Station

The installation of the 100-kv-a feeder voltage regulator, mentioned in last year's Annual Report, was completed and the regulator placed in service in January.

In May, engineering assistance was given to the Sarnia Hydro-Electric system covering the purchase and installation of one additional Canadian Genera Electric Company 30-kw. constant-current transformer with necessary switching equipment. This apparatus was installed by the Commission's Construction department, and placed in service October 6.

In June, on the recommendation of the Commission, the Sarnia Hydro-Electric system authorized the installation of improved relay-protection consisting of six reverse-power relays (three per line) six ammeters, and three inverse definite-time overload, three-point relays for the two incoming 26,400-volt lines; the reconnection of the existing current-transformers from a ratio of 40-80/5-5 to 80-160/5-5 amperes; the purchase and installation of one additional 160/5-ampere current-transformer in the middle phase of each line and the

installation of disconnecting-switches in the 26,400-volt arrester leads. Shipment of the new equipment is promised for November, 1923, and installation will be started as soon as it is received.

When this improved relay-protection is installed, the two incoming circuits will be operated in parallel, and will give better voltage regulation and improved service.

Tilbury Distributing Station

To take care of the increasing load at this station, authorization was given February 13, 1923, to convert the three 75-kv-a. transformers, released from Ridgetown, to outdoor type and install them outside of the station in parallel with the existing bank of three 100 kv-a. transformers. The necessary covers and bushings for converting these transformers to outdoor-type were purchased from the Canadian Westinghouse Company. The work is being done by the Construction department and should be completed in November, 1923.

Wallaceburg Distributing Station

In order to supply power to the rural district of Wallaceburg, the Commission on June 27, 1923, authorized the purchase and installation of the necessary material for a 4,000-volt rural feeder consisting of a 4,000-volt feeder-panel with oil circuit-breaker and an indicating-demand meter. The work is being done by the Construction department and the equipment should be placed in service in November, 1923.

ESSEX TRANSFORMER STATION

The deferred work outlined in the 1921 Annual Report and mentioned in the 1922 Annual Report was proceeded with in November, 1922.

The installation of the 26,400-volt switching equipment, excepting, however, one new outgoing feeder; the improved overload relay-protection on the existing 26,400-volt feeders; the differential relay-protection on the two banks of transformers and the larger capacity water pumps was completed in October, 1923. The different pieces of apparatus were placed in service as their installation was completed.

The installation of No. 1 bank of 5,000-kv-a. transformers, mentioned in last year's Annual Report, was not completed until August, as changes were being made in the water piping. Temporary water connections were, however, made so that No. 1 bank of transformers could be used in case of emergency.

The septic tank for sewage disposal was completed in August, 1923.

Original plans called for a second cooling pond, but on further investigation it was decided to install a cooling tower in the existing pond. This tower will be completed early in 1924.

Oil-barriers, with drain-pipes to the outside of the station, are being installed around the 110,000-volt oil breakers and will be completed in December, 1923. Fences were placed around the cooling-pond and the 26,400-volt lightning-arresters.

Amherstburg Distributing Station

To take care of the increasing load on this station, authorization was given on December 20, 1922, to purchase and install a 300-kv-a., three-phase, outdoor-type transformer in parallel with the present bank of three 100-kv-a. transformers, also to purchase and install a graphic-recording wattmeter and a

recording reactive-volt-ampere meter replacing the type R.A. indicating-demand meter for measuring the station load. This installation was done by the Construction department and the transformer placed in service on May 13, 1923.

In order to have better line protection, the Commission on May 16, 1923, authorized the purchase and installation of equipment necessary to make the 26,400-volt, outgoing-line, oil circuit-breaker automatic; also the removal of the non-automatic breaker on the incoming line and its shipment to Kingsville. This work is being done by the Construction department, but due to delay in obtaining the automatic mechanism, it will not be completed before the early part of 1924.

Belle River Distributing Station

The pole-type station, mentioned in last year's Annual Report, was completed and placed in service December 5, 1922.

Canard River Distributing Station

The installation of disconnecting-switches and fuses on the pole structure at this station, mentioned in last year's Annual Report, is still deferred owing to the possibility of dismantling the station and serving this load from the Sandwich rural power district.

Essex Distributing Station

In December, 1922, authorization was given to purchase and install Schweitzer and Conrad lightning-arresters on the pole structure on the 26,400-volt side of the station. The installation was done by the Construction department and the arresters placed in service April 15, 1923.

Kingsville Distributing Station

In order to have better line protection at this station, the Commission on May 16, 1923, authorized removing the 26,400-volt, incoming-line, oil circuit-breaker at Amherstburg distributing station, equipping it with automatic control and installing it on the outgoing line at Kingsville.

The work is being done by the Construction department, but due to delay in obtaining the automatic mechanism, it will not be completed until the early part of 1924.

Leamington Distributing Station

To take care of the increasing load on this station, authorization was given in December, 1922, to increase the transformer capacity and to install Schweitzer and Conrad lightning-arresters on the 26,400-volt side of the transformer bank. Three 150-kv-a. single-phase Packard Electric Company transformers were purchased to replace the bank of three 75-kv-a. transformers. This work was done by the Construction department and the equipment placed in service on March 15, 1923.

The released 75-kv-a. transformers were shipped to Acton distributing station.

Walkerville Municipal Station

In October, 1922, authorization was given to install metering-equipment in this station on the Ford City and Riverside feeders. This equipment includes a Westinghouse graphic-recording wattmeter and reactive volt-ampere meter to measure total load on the two Ford City feeders and Riverside feeder and a

Lincoln graphic-recording wattmeter and reactive volt-ampere meter to measure the load on the two Ford City feeders only. The installation of these meters, which were purchased by the Commission, was done by the Walkerville Hydro-Electric system and completed February 11, 1923. The panels on which the meters are mounted, as well as the current and potential-transformers, are the property of the Walkerville Hydro-Electric system.

Following the recommendation of the Commission, the Walkerville Hydro-Electric system in June, 1923, authorized improving the relay protection on the two 26,400-volt, incoming lines, changing the totalizing metering-equipment from 4,000 to 26,400-volts and reinforcing the Westinghouse "E2" line breakers to increase the rupturing capacity.

The improved relay protection and the changes in the metering equipment will include the installation of six reverse power relays, three per line, three inverse definite time, three point, overload relays, six ammeters, current and potential-transformers. To reinforce the breakers, stronger covers and tanks will be required.

The 26,400/100-volt potential-transformers were purchased from the Canadian General Electric Company, while the fuses, resistors and current-transformers were purchased from the Canadian Westinghouse Company. Drawings covering the changes were prepared by the Engineering department and the installation is being carried out by the Construction department. The work should be completed during November, 1923.

WINDSOR MUNICIPAL STATION

WINDSOR MUNICIPAL STATION
The 4,000-volt oil circuit-breakers

Windsor Municipal Station

The installation of the equipment in the extension to this station, outlined in last year's Annual Report, was completed and the station placed in service in February, using the two 1,500-kv-a. Crocker-Wheeler transformers which were rented from the Commission.

The new contract for the two 3,000-kv-a. transformers was placed with the Canadian General Electric Company in November, and delivery of the first unit was made in March and the second unit in April. They were immediately installed and placed in service.

In May, the Windsor Hydro-Electric system ordered a third 3,000-kv-a. transformer from the Canadian General Electric Company. Engineering assistance was given to them in purchasing the necessary 26,400-volt and 4,000-volt switching equipment for this transformer and the necessary equipment for two additional 4,000-volt lighting-feeders, including two 3-phase, 100-kv-a. regulators. The contract for the supply and installation of this apparatus was let to the Canadian Westinghouse Company in July.

The third 3,000-kv-a. transformer was delivered in September, and, as the switching equipment was not promised until December, sketches were prepared by the Commission for temporary connections. However, the Canadian Westinghouse Company gave a promise of an earlier delivery and installation of the transformer switching equipment and temporary plans were therefore discarded and the transformer will probably be placed in service early in December. The installation of the equipments for the two feeders will not be completed until early in January, 1924, as the two regulators will not be ready earlier.

The storehouse, as outlined in last year's Annual Report, was completed in the spring of 1923.

YORK TRANSFORMER STATION

The new 5,000-kv-a. transformers referred to in last year's Annual Report were placed in service on November 26, and the four 1,250-kv-a. transformers were removed for shipment to Preston transformer station. The work of installing the switching equipment was started, but only one new 13,200-volt breaker was installed when the building and all equipment in it were destroyed by the fire on December 4. The material destroyed included all the 110,000-volt switching equipment, the 13,200-volt equipment to control the lines to Etobicoke distributing station, the station service breaker, three 50-kv-a. station service transformers and the three 150-kv-a. transformers which had been moved from Mimico distributing station in November.

Plans were made at once to rebuild the station, using outdoor equipment with steel structures for the disconnecting-switches and connections, and with concrete foundations for the breakers.

The 110,000-volt outdoor-type breaker and disconnecting-switches were obtained from the Canadian Westinghouse Company on stock orders previously placed, and the steel for 110,000-volt structure was ordered from The Ontario Wind Engine and Pump Company on February 15.

Six 13,200-volt, outdoor-type, oil circuit-breakers were ordered from the Canadian Westinghouse Company on January 23.

One 13,200-volt type "OF", outdoor arrester was ordered from the Canadian General Electric Company on April 2, and will be connected to the 13,200-volt bus.

The necessary 13,200-volt disconnecting-switches were manufactured by the Production and Service department, being mounted on insulators supplied by the Canadian Porcelain Company, Hamilton. The steel for the 13,200-volt structure was ordered from the Canadian Bridge Company.

A 300-kv-a., 3-phase, 13,200/4,000-volt transformer purchased from the Packard Electric Company was shipped to replace the 150-kv-a. transformers destroyed by fire. This transformer was placed in temporary service on February 24, to feed the northern section of Etobicoke township.

The station service will be supplied by three 25-kv-a., 2,300/575-volt transformers and one 7½-kv-a., 2,300/110-220-volt transformer.

For the switchboard, five new panels were ordered from Powerlite Devices Limited, Toronto, and two panels will be obtained from Mimico distributing station.

The contract for the erection of the control building was awarded to A. B. Ormsby Company, Limited, on May 15. This building will be sheeted.

The erection of the 110,000-volt steel structure and the installation of the new breaker were finished and placed in service on September 2.

The erection of the 13,200-volt structure is finished and the new 13,200-volt equipment should be in service early in December. At the same time the new switchboard will be ready to control the station.

Plans are now being made to erect a wire fence on angle-iron posts set in concrete to enclose the station equipment. This will be erected in December.

All the work at this station, except the erection of the control building and of the fence is being done by the Construction department.

Etobicoke Distributing Station

In December, 1922, authorization was given to install a 1,500-kv-a., 3-phase transformer to serve the 4,000-volt customers fed from this station. It was decided to use the Canadian Crocker Wheeler water-cooled transformer which was stored here. The low-tension switching equipment and connecting material was purchased from the Canadian General Electric Company and was installed by our Construction department. The transformer was placed in service on December 27, 1922, but the permanent switching equipment will not be completed until November, 1923.

Etobicoke Township Distributing Station

As the 300-kv-a. transformer feeding the northern part of Etobicoke township was loaded to capacity, it was decided in May to install a second transformer of similar capacity. This second transformer was obtained from the English Electric Company on a stock order previously placed, and was shipped in August. At this time, it was decided that the section of York transformer station feeding 4,000-volt power to Etobicoke township should be known as Etobicoke township distributing station. The 300-kv-a. Packard Electric Company's transformer referred to in the section of this Annual Report covering York transformer station, the new 300-kv-a. transformer and all the 4,000-volt switching equipment and connections will comprise the equipment of this station, while all 13,200-volt equipment will remain in York transformer station.

The 300-kv-a. transformer purchased from the English Electric Company has been connected up permanently, and will be used to supply Etobicoke township load when the new 13,200-volt structure is placed in service, in December, 1923. The 300-kv-a. transformer purchased from the Packard Electric Company will then be released from its temporary service and will be permanently connected up.

Lakeview Distributing Station

In September, the Commission authorized the purchase and installation of 440-volt metering equipment for measuring the railway load in Lakeview substation near Port Credit. This equipment consists of a Lincoln graphic wattmeter and Westinghouse watthour meter with necessary current and

potential-transformers. The installation is being done by the Railway department and will be completed in November, 1923.

Mimico Distributing Station

In the last Annual Report it was stated that the three 150-kv-a., 13,200/2,300-volt, single-phase transformers would be moved to York transformer station together with switching and metering equipment for two 4,000-volt feeders to supply Etobicoke township. The transformers were moved in November and were destroyed in the fire at York station on December 4. The switching equipment was not removed until some time later, and it was therefore available for use in the rebuilt York transformer station. The switching equipment, not used, was transferred to stores in January.

Mimico Municipal Station

At the request of the Public Utilities Commission of Mimico authorization was given on September 8, 1923, for the erection of a semi-outdoor station and the purchase and installation of the necessary equipment.

Two 750-kv-a. outdoor transformers will be installed and the high-tension switching equipment will be mounted on a pole structure, while a small brick building will house the equipment for the 4,000-volt feeders. This station is to be placed on a site on Mimico avenue, and is to be fed from the two 13,200-volt circuits from York transformer station to Etobicoke distributing station.

Drawings are being prepared and the installation will be made by the Construction department. The station should be in service early in 1924.

The load will be measured on the 13,200-volt side by totalizing meters owned by the Hydro-Electric Power Commission

HAMILTON TRANSFORMER STATION

The installation of No. 2 bank of 5,000-kv-a. transformers was completed and the transformers placed in service in December, 1922.

The control and switching building was completed in May and a cooling pond 75 feet square with a frame pump-house was constructed on the creek near the station. The drainage from the station and the transformers is led back to the pond by vitrified drain-pipes.

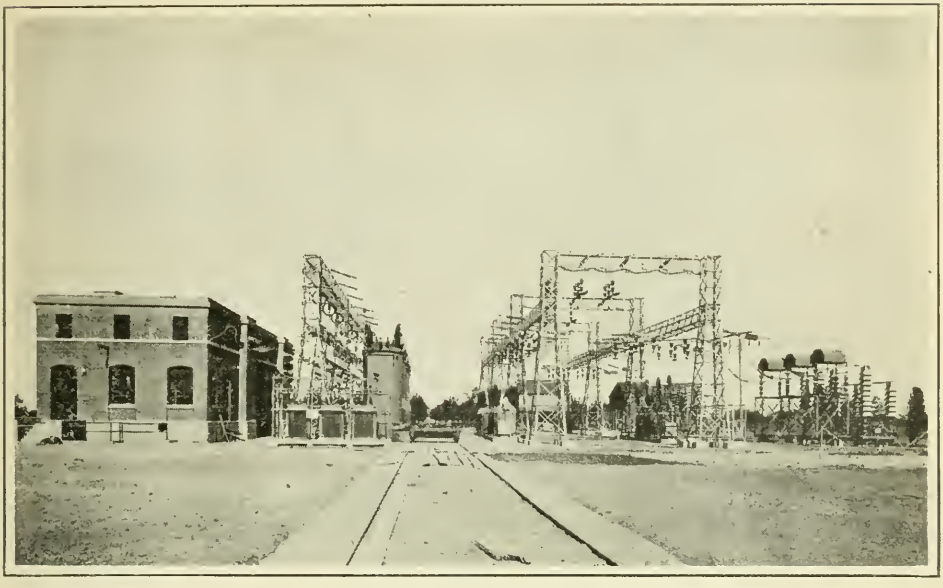
All the mechanical equipment, mentioned in last year's Annual Report, has been placed in service.

The grounds immediately surrounding the station have been graded ready for seeding, crushed stone walks have been made where necessary and the whole station site has been fenced.

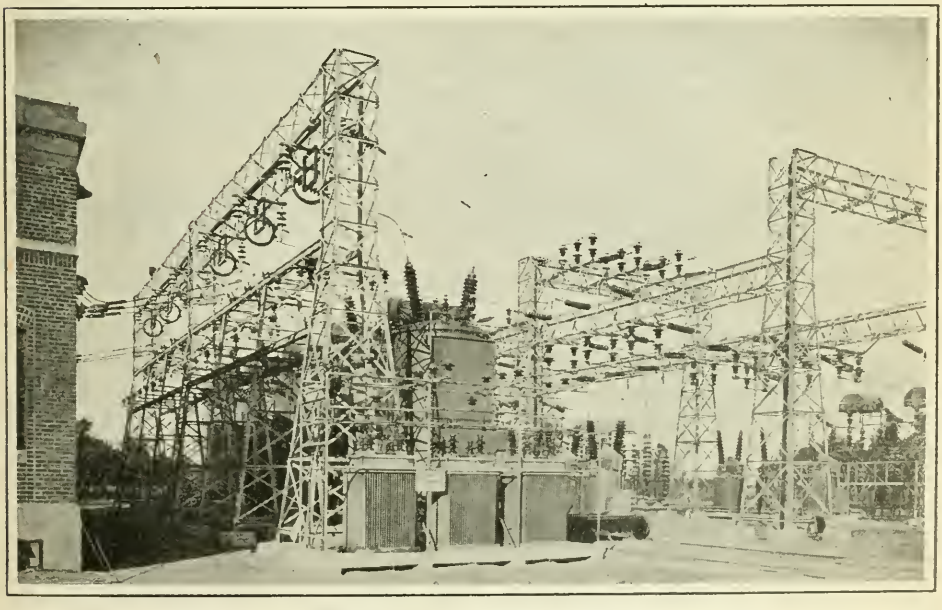
A brick house on the grounds has been repaired and water connection made. A sewage system consisting of septic tank with disposal bed was constructed. The house will be occupied by one of the station operators.

The complete 13,200-volt equipment and control-room was installed in one large building with the auxiliary-equipment (except the water pumps) in the basement, instead of in separate small buildings as outlined in the 1921 Annual Report. The spare 5,000-kv-a. transformer was transferred to Dundas transformer station in August to form a bank with two similar transformers.

The first 110,000-volt line oil circuit-breaker and the 75-kv-a. service transformers, moved from Hagersville and converted into outdoor-type by the Canadian Westinghouse Company, were installed and placed in service in March.



HAMILTON MUNICIPAL STATION
General view of station from south



HAMILTON MUNICIPAL STATION
Service transformers and high-tension current-transformers

The second 110,000-volt line breaker and the 13,200-volt equipment together with the electrical service equipment were installed and placed in service in June. All installation of equipment was done by the Construction department and completed on September 1, 1923.

NIAGARA SYSTEM RESERVE EQUIPMENT

Authorization was given on October 17, 1923 for the purchase of two 150-kv-a., and two 300-kv-a., 26,400-13,200/4,000-2,300-575-volt, 25-cycle, 3-phase, self-cooled, outdoor-type transformers from the Moloney Electric Company. These transformers should be available early in 1924.

Authorization was given in February, 1923, for the purchase of twenty 5,000-kv-a., 63,500/26,400-13,200-volt, 25-cycle, single-phase, water-cooled, outdoor-type transformers from the Canadian General E ectric Company. These transformers are similar to the twenty-one 5,000-kv-a. transformers purchased from the same manufacturer in December, 1920. The order was placed in February, 1923, and ten of the transformers have been delivered and the balance should be completed by January, 1924.

Authorization was given on June 27, 1923, for the rebuilding of seven 2,500-kv-a., 63,500/13,200-volt transformers which were damaged in the fire at Dundas transformer station. The order was placed with the Canadian General Electric Company on June 28, 1923. The new rating will be 2,850-kv-a., 63,500/26,400-13,200-volts, 25-cycle, single-phase, water-cooled, outdoor-type transformers. They should be ready for delivery early in 1924.

Authorization was given on July 31, 1923, for the purchase of seven out-door and one indoor type 110,000-volt, 600-ampere, electrically-operated, oil circuit-breakers with bushing type current-transformers and two extra bushings. An order was placed on August 24, 1923, with the Canadian Westinghouse Company for sevenout door-type, "G2A", oil circuit-breakers, two spare bushings and current-transformers These should be completed in February, 1924.

Authorization was given on December 20, 1922, for the purchase of six 800-ampere, 26,400-volt, oil circuit-breakers. The order was placed with Ferguson, Pailin, Limited on January 3, 1923, and the breakers were received October 8, 1923.

All of the above equipment is intended for use in stations on the Niagara system and most of it has already been allotted to stations being built or extended.

ELECTRICAL DEVELOPMENT COMPANY GENERATING STATION

In March, the Commission authorized the installation of six 12,000-volt, single-phase, current-limiting reactors in the leads of No. 1 and No. 2 generators, to replace reactors which had failed in operation. The new reactors had been ordered by the Toronto Power Company in July, 1922, from the Canadian Genera Electric Company. They have a rating of three and one-half per cent reactive voltage drop based on 10,000-kv-a. and a current carrying capacity of 600-amperes continuously. They were installed by the Operating department and placed in service in April, 1923.

In July, the Commission authorized the changing of the existing Otis-Fensom pit elevator from manual to automatic control. The contract for the supply and installation of the necessary material for making this change was placed with the Otis-Fensom Elevator Company in July. It is expected that the change will be completed in December.

In September, the Commission authorized the installation of differential relay protection on all the generators in this station, and the grounding of the generator neutrals through disconnecting-switches and water-barrel resistances.

The relay protection on each generator will consist of three ring-type current-transformers, three single-pole differential relays and one special master relay to open the generator 12,000-volt oil circuit-breaker and the field circuit of the direct-connected exciter.

As the generators are operated in four groups, four sets of water-barrel resistances, each consisting of two barrels in parallel and four neutral busses, will be installed. Disconnecting-switches will also be installed between these busses and the water-barrels, which will be connected to the existing station ground bus and to the penstocks.

The current-transformers and differential relays are being made up by the Operating department and most of the balance of the apparatus required is being obtained from the Toronto Power Company stores. The installation of this relay-protection and the ground-connections is being done by the Operating department and will be completed early in 1924.

In May, 1923, the Commission authorized the installation of a 2,300-volt feeder equipment in the Electrical Development Company generating station, and the installation of a three-conductor, lead-covered, armoured cable from there to the Ontario Power Company headworks, to replace the temporary wood-pole line. The cable was purchased from the Eugene Phillips Electric Works and installed by the Transmission section while the Westinghouse "B-2" oil circuit-breaker and additional equipment were installed by the Operating department. The work was completed and the equipment placed in service on July 30, 1923, and the part of the 2,300-volt temporary pole line running through Queen Victoria park was removed.

Beaver Board Fibre Company Station

Authorization was given in June for the installation of a Westinghouse recording reactive-volt-ampere meter and necessary equipment on the incoming 12,000-volt lines from the Toronto Power Company. This meter was obtained from the Ontario Power Company stores and installed by the Operating department, being placed in service on September 7, 1923.

Mount Joy Distributing Station

In July, 1923, the building of a 13,200/4,000-volt, 150-kv-a., pole-type station at Mount Joy was authorized, in order to supply power to Markham and Stouffville, the station to be fed from a tap off the 12,000-volt line on Yonge street.

The electrical equipment consisting of one 150-kv-a., 3-phase, 26,400-13,200/2,300-4,000-volt, rural-class, Canadian General Electric Company transformer and two 4,000-volt feeders with necessary switching equipment and indicating-demand meters, was installed by the Construction department and placed in service September 24, 1923.

Toronto Power Company Distributing Station

In September, the installation of an emergency service water-pipe connection between the Toronto Power Company distributing station and that of the Canadian Niagara Falls Power Company was authorized. The Commission's part of this connection, being from the Toronto Power Company station to the centre line of the M.C.R. tracks, was installed by the Operating department and completed on October 3, 1923.

SEVERN SYSTEM

Coldwater Distributing Station

As the load at this station exceeded the capacity of the three 25-kv-a. transformers, it was decided to replace them with three 40-kv-a. transformers which were held in reserve at Toronto, for use on the Severn system. The 25-kv-a. transformers were crated and stored on the site as Severn system reserve equipment and the three 40-kv-a. transformers, with larger current-transformers, were installed July 18, 1923.

Collingwood Electric Castings Distributing Station

The three 300-kv-a. transformers were removed to Penetang distributing station on March 5, 1923. All other equipment in this station is the property of the Collingwood Commission.

Penetang Distributing Station

To take care of the increased demand for power at this station, it was necessary to increase the transformer capacity. Authorization was given December 11, 1922, to replace the three 200-kv-a. transformers with the three 300-kv-a. transformers obtained from the Collingwood Electric Castings distributing station. The 200-kv-a. transformers were removed and stored on the Penetang station site as Severn system reserve equipment and the 300-kv-a. transformers were installed on a concrete pad outside the station. This work was carried out by the Construction department and completed March 4, 1923.

Phelpston Distributing Station

Authorization was given in October, 1923, to construct a 10-kv-a., 22,000-volt, rural-class, pole-type station to serve the hamlet of Phelpston with 110/220-volt power.

One 10-kv-a., single-phase, 60-cycle, 22,000/220-110-volt Moloney Electric Company transformer and the Commission's standard choke-coil, disconnecting-switch and fuse units will be mounted on a pole and arranged to tap either of the 22,000-volt lines by means of flexible leads and spring clamps. The station load will be measured by means of an indicating demand meter mounted in a box on the pole.

Drawings are being prepared and this station should be in service early in 1924.

PORT SEVERN DEVELOPMENT

The development, mentioned in last year's Annual Report, has been deferred.

Waubaushene

In April, 1923, a frame house in Waubaushene was purchased, painted and decorated for the use of the superintendent of the Severn and Wasdell systems.

EUGENIA SYSTEM

EUGENIA FALLS GENERATING STATION

It was decided to install hot air furnaces in the five operators' cottages at this station. The furnaces are being installed by the Howard Furnace Company, Toronto, and should be complete in November, 1923.

Chesley Distributing Station

Authorization was given in March, 1923, for the installation of one 4,000-volt feeder in this station to serve the municipality of Paisley. The work was completed by the Construction department on August 13, 1923.

Grand Valley Distributing Station

The graphic-recording demand-meter in the Grand Valley feeder is being replaced by a more suitable instrument.

Holyrood Distributing Station

The graphic wattmeter, measuring the station load and the indicating demand-meters on the Ripley and Lucknow feeders, were replaced by more suitable graphic-recording wattmeters, by the Operating department, October 16, 1923.

Kincardine Distributing Station

The installation of larger capacity fuses in the 22,000-volt incoming line and smaller-ratio current-transformers on the Kincardine feeder, as mentioned in last year's Annual Report, was completed by the Operating department and the equipment placed in service in December, 1922.

Meaford Distributing Station

Authorization was given in August, 1923, to proceed with the construction of a 300-kv-a., 22,000-volt, pole-type station on a site owned by the municipality of Meaford, adjacent to the Meaford waterworks buildings.

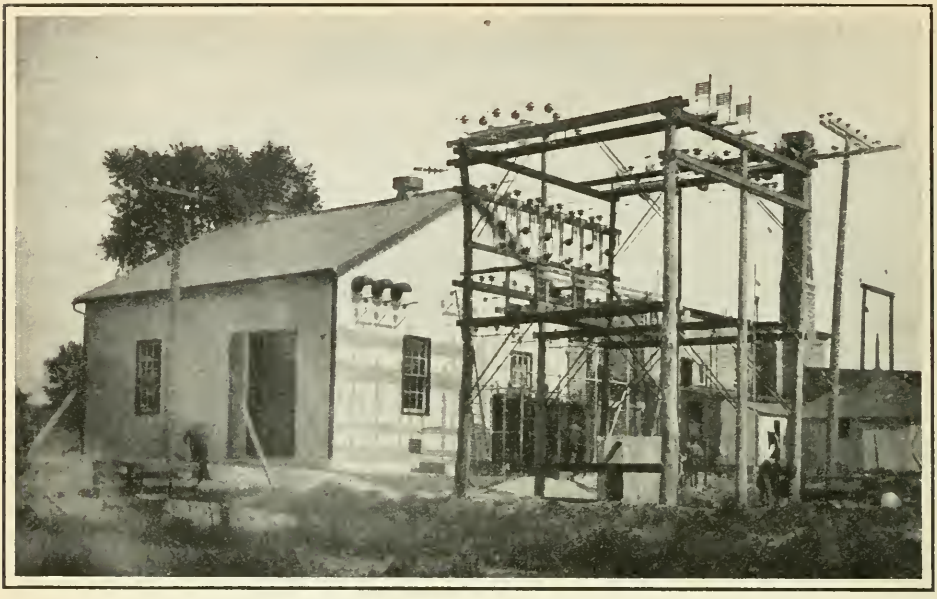
The municipality is adding an extension to these buildings and a section will be utilized for housing the Commission's metering equipment and the municipality's feeder-equipment.

The station will be a two-pole structure with high-voltage equipment consisting of a Schweitzer and Conrad lightning-arrester, and the Commission's standard choke-coil, disconnecting-switch and fuse units. Power will be supplied from the 22,000-volt line now being constructed. One 300-kv-a., 3-phase, 60-cycle, 22,000/2,300-4,000-volt transformer purchased from the Moloney Electric Company will supply power at 4,000 volts.

Drawings are being prepared and the station should be in service in January, 1924.

MOUNT FOREST FREQUENCY CHANGER STATION

In order to obtain additional power to supply the increasing load on the Eugenia and Severn systems, it was decided in June to install a frequency-changer set to connect with the Niagara system. A set of 1,150-kv-a. capacity on the 25-cycle end and 1,000-kv-a. on the 60-cycle end, with direct-connected exciter and starting motor, and one bank of three single-phase 350-kv-a., 25-cycle, water-cooled transformers, were available at the Cooksville frequency changer station. This equipment was no longer required at this point, as the Erindale plant had been closed down.



MOUNT FOREST FREQUENCY CHANGER STATION

Authorization was given in June, 1923, to proceed with the transfer of the Cooksville equipment, the purchase of the necessary new equipment and the installation of the same in a building to be erected on the existing Mount Forest distributing station site. The work was completed by the Construction department and the station placed in service October 2, 1923.

The building is 34 feet by 34 feet inside dimensions. The frame is wood with sheet metal clapboard siding and Spanish tile metal roofing. The high-voltage equipment is mounted on a six-pole structure.

This station receives power from the Niagara system over an extension of the 26,400-volt line from Harriston.

Power is fed in from the Niagara system through an air-break switch, choke-coil and fuse, the line being protected by Schweitzer and Conrad lightning-arresters. From the structure, the 26,400-volt line is carried into the station to the 25-cycle bank of transformers and the voltage is stepped down to 2,300, the normal operating voltage of the 25-cycle machine. The 60-cycle unit was formerly connected for 13,200-volt operation and the windings were reconnected by the Operating department for 2,300 volts prior to moving the set to Mount Forest. Power is fed from the 60-cycle unit to the Eugenia system through a bank of three 300-kv-a. 22,000/2,300-volt, 60-cycle, self-cooled, outdoor-type transformers, purchased from the Moloney Electric Company for this installation. These transformers are installed on a concrete platform immediately to the rear of the buildings, and power is fed through choke-coil and fuse units to a common 22,000-volt bus, which is tapped through air-break switches to the two Eugenia lines. One 22,000-volt Schweitzer and Conrad arrester was purchased for one of the 60-cycle lines and installed on the roof of the adjacent distributing station. The oxide-film arrester on the common Mount Forest distributing station bus was moved to a front wall location, and connected outside the station disconnecting-switches to the other Eugenia line. Protection is thus given at all times to the two Eugenia lines.

Power supplied from the Niagara system is measured by a graphic watt-meter, graphic reactive-volt-ampere meter, and a kilowatt-hour meter with instrument-transformers located in the 25-cycle, 2,300-volt leads from the transformer bank to the 25-cycle unit of the set.

A cooling pond, 8 feet by 8 feet and 3 feet deep, and tower were erected at the rear of the station for the transformer cooling water, a 20-gallon-per-minute pump being installed to circulate this water.

WASDELLS SYSTEM

WASDELLS GENERATING STATION

The new shaft, upper guide bearing and ball thrust bearing for No. 1 generator was installed during November, 1922. Authorization for the purchase of this equipment had been given in April, 1922, but delivery was not made until October, 1922.

Pinedale Distributing Station

Authorization was given in May, 1923, for the construction of a 75-kv-a., 22,000-volt, rural class, distributing station on a site, 30 feet by 50 feet, purchased by the Commission at Pinedale. Plans were prepared and forwarded to the Construction department on June 27, 1923, with instructions to carry out this work.

This station is located on the 22,000-volt line between Cannington and Greenbank stations. The high-voltage equipment consists of the Commission's standard choke-coil, disconnecting-switch and fuse units mounted on a two-pole structure. A 75-kv-a., 3-phase, 60-cycle, 22,000/4,000-volt transformer was purchased from the Moloney Electric Company. The load is measured by an indicating, maximum-demand meter. The station was placed in service September 7, 1923.

MUSKOKA SYSTEM

SOUTH FALLS GENERATING STATION

Some preliminary engineering work has been done on an extension to this station.

ST. LAWRENCE SYSTEM

CORNWALL TRANSFORMER STATION

To provide more complete records, arrangements have been made to install a graphic frequency-meter.

A spare 100-kv-a. service transformer was purchased from the Canadian General Electric Company. It is a duplicate unit of those at present installed in the station.

An emergency exit and stairs were provided for the operators.

A water-pump was purchased from John T. Hepburn, Limited to supply cooling water to the transformers when the canal is emptied.

Chesterville Distributing Station

The installation of the switching equipment, to separate the rural circuit out of Chesterville from the town feeder, was completed during April, 1923.

Cornwall Glengarry Pulp Company Metering Station

The graphic recording wattmeter and reactive-volt-ampere meters were replaced with graphic meters of a more suitable type, the latter being placed in service on September 24, 1923.

Cornwall Howard Smith Paper Company Distributing Station

The installation of the additional low-voltage feeders, mentioned in the previous Annual Report, was completed during November, 1922.

The 750-kv-a. transformer is being replaced by a second 1,500-kv-a. unit. Low-voltage and station service switching equipment is also being installed. The work should be completed early in 1924.

Martintown Distributing Station

High-voltage lightning-arresters (Schweitzer and Conrad) were installed and placed in service July 11, 1923.

Prescott Distributing Station

Disconnecting-switches were installed on the 300-kv-a. transformer, low-voltage feeder.

ST. LAWRENCE SYSTEM RESERVE EQUIPMENT

One 300-kv-a., 3-phase, 60-cycle, outdoor-type, 44,000/2,400-volt transformer was purchased from the Moloney Electric Company as a system spare transformer. It was delivered during September, 1923, and stored at the site of the Cornwall Howard Smith Paper Company distributing station.

RIDEAU SYSTEM

CARLETON PLACE GENERATING STATION

As it was found necessary to operate the Carleton Place generating station to augment the power supply on the Rideau system, metering equipment was installed to meter the power generated.

HIGH FALLS GENERATING STATION

During April, 1923, the third exciter was equipped with an equalizing rheostat in order to stabilize the voltage of the station under different conditions of operation. A graphic voltmeter was connected up temporarily and having proven satisfactory will be installed permanently.

Owing to a request for power from W. R. Geddes and the summer cottagers at Dalhousie lake, a single-phase, 2,300-volt feeder is being connected to the service transformer high-voltage bus.

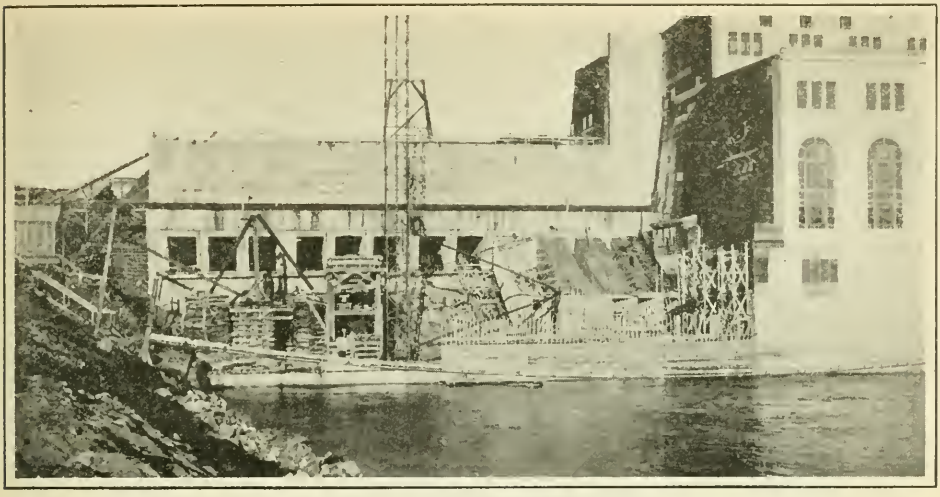
SMITH FALLS GENERATING STATION

Arrangements have been made to install protective-screens around the high-voltage arresters.

THUNDER BAY SYSTEM

NIPIGON GENERATING STATION EXTENSION

Due to the increase in the demand for power on the Thunder Bay system, authorization was given in May, 1923, to extend the present Nipigon generating station and to install two additional 10,600-kv-a. generators with the necessary



NIPIGON POWER DEVELOPMENT
Form work for generating units Nos. 3 and 4, showing progress on November 4, 1923

transformers and switching equipment. The first of these additional units is to be ready for service in May, 1924.

Building

The extension to the building will be approximately 90 feet long and will follow the same architectural design as the existing station outlined in the 1921 Annual Report.

The structural steel, approximately 250 tons, was ordered from McGregor and McIntyre Limited, Toronto, July 16, 1923.

Electrical Apparatus

A contract for the supply and installation of two generators was awarded to the Canadian General Electric Company of Toronto, May 9, 1923. These new generators will be of similar rating to the two existing Westinghouse Company machines and will be complete with direct-connected exciter and voltage regulator. They will be equipped with 48-inch, spring-supported, thrust bearings.

On June 21, 1923, a contract was awarded to the Canadian General Electric Company for three 8,000-kv-a., 63,500/12,000-volt, single-phase, water-cooled transformers. They will be similar to the present transformers at this station. Three 250-kv-a., 12,000/2,300-575-volt, single-phase transformers were ordered from the Moloney Electric Company, August 23, 1923, to provide additional station-service capacity. A 75-kv-a., 575-volt, three-phase voltage regulator was ordered from the Canadian General Electric Company to maintain steady service voltage.

Four Westinghouse type "GA" electrically-operated, oil circuit-breakers were obtained from the Niagara system and are being rebuilt with improvements by the Canadian Westinghouse Company, Hamilton.

Seven Canadian Westinghouse Company type "C" electrically-operated, 12,000-volt, oil circuit-breakers were obtained from the Niagara transformer station where they had been held as reserve equipment.

One 125,000-volt, type "OF" oxide-film lightning-arrester was ordered from the Canadian General Electric Company. It will be connected to the second 110,000-volt transmission circuit.

Electrical Layout

The general layout of the electrical apparatus for the extension will follow very closely the layout of the existing station outlined in the 1919 Annual Report.

The pocket for the future reactance coils, in the main transformer runway, will be used as a temporary location for the second bank of 250-kv-a. transformers until No. 5 and No. 6 generators are installed, when a permanent transformer pocket will be erected.

The new 75-kv-a. induction regulator, together with the necessary auxiliaries for its automatic operation, will be installed in the existing station in the No. 1 station-service transformer-bank pocket.

Operators' Houses

To provide extra accommodation for the operators, instructions were given to the Operating department in September to reshingle, sheath and make other necessary repairs to three of the original temporary houses which were constructed for the use of the Engineering and Construction departments in the early stages of the development; also to equip the present houses with vestibules at rear entrance.

In October the Operating department was instructed to build a stable with a drive shed, also a boathouse at Alexandria landing.

PORT ARTHUR TEMPORARY TRANSFORMER STATION EXTENSION

To take care of the increasing load on this station and the future power requirements in this district, authority was given in May, 1923, for the erection of an outdoor extension to the existing transformer station at Bare Point.

Three 5,000-kv-a., 63,500/22,000-volt transformers were ordered from the Canadian General Electric Company on May 28, 1923. These are similar to the existing transformers. They will form the second bank, which will be located on the west side of the existing station. The 110,000- and 22,000-volt busses and necessary electrical connections will be supported on a pole structure over these transformers.

The 110,000-volt bus in the existing station will be extended through 110,000-volt wall bushings to the new outdoor structure. Three 110,000-volt outdoor disconnecting-switches will be installed to sectionalize the bus between the two transformer banks.

Two Canadian Westinghouse Company type "GA3" outdoor, 22,000-volt, oil circuit-breakers, originally purchased for temporary service at Hamilton transformer station, will be installed at the outdoor structure. One of these will be used as a transformer breaker and the other on the new 22,000-volt feeder to be constructed by the municipality.

The 22,000-volt bus in the present station will be extended through the west wall, through wall bushings. The bus will be sectionalized with disconnecting switches.

A Canadian Westinghouse Company indoor-type "GA3", 22,000-volt oil circuit-breaker will be installed between the existing 5,000-kv-a. transformer bank and the main 22,000-volt bus in the present station.

A control panel for the new transformer bank will be added to the existing switchboard in the present station while the panel to control the new 22,000-volt feeder will be installed in the pumping station, adjoining the present feeder panels.

The present water system for the cooling of the transformers will be extended to accommodate the new bank.

Port Arthur Distributing Station (High Street)

On April, 27, 1923, authorization was given to install a graphic wattmeter and reactive-volt-ampere meter at this station in order to measure the total load on the transformer bank, also to erect a partition for an office for the operators. The work was completed October 7, 1923.

OTTAWA SYSTEM

The extension to the metering equipment, which was noted in last year's Annual Report, was completed in January, 1923, but due to a further increase in the load, another feeder was installed by the municipal authorities. This necessitated a further extension to the Commission's metering equipment to totalize the load on the system. This work is being proceeded with.

CENTRAL ONTARIO AND TRENT SYSTEM

Auburn Switching Station

The present station is to be extended to provide for the installation of an oil circuit-breaker and two 44,000-volt, outdoor-type, potential transformers in connection with the 44,000-volt line now being built to the new Peterborough substation. The drawings have been completed and construction work will commence early in November.

Belleville Cement Company Distributing Station

One 750-kv-a. transformer was removed from this station as the Cement mills are at present closed down. It was taken to the Belleville Lehigh Cement Company distributing station, together with the high- and low-voltage switching equipment which had been used with it.

Belleville-Lehigh Cement Company Distributing Station

The fifth 750-kv-a. transformer was installed in this station to take care of the growth in the Cement Company's load. The transformer and its switching equipment was obtained from the Belleville Cement Company's distributing station. The transformer was installed in the erection-bay and some of the former switching equipment was rearranged. This work was completed during April, 1923.

Additional relay-protection is being installed, consisting of a third current-transformer in each high-voltage line and one set of relays.

Bowmanville Distributing Station

The distribution voltage of this station was changed from 2,400 to 4,160 in September by the Operating department. The feeders were equipped with three ammeters each and the breakers were provided with battery trip.

Brighton Distributing Station

A Lincoln demand meter was installed to supplement the former equipment owing to it being inadequate. It was placed in service during March, 1923.

Canada Boxboard Company Distributing Station

The graphic-recording wattmeter and reactive-volt-ampere meter at this station have not been satisfactory and work is under way to replace them by graphic meters of a more suitable type.

DAM No. 8 GENERATING STATION

In order to meet the increasing demand for power on the Central Ontario and Trent system, authorization was given on March 1, 1923, to develop the power site at Dam No. 8 on the Trent canal.

A departure from the usual practice is being made and a generator and its step-up transformer will be connected as a unit with no low-voltage bus or oil circuit-breakers between. There is, however, a low-voltage emergency transformer bus which permits, by the operation of disconnecting switches, any generator being connected to any transformer.

The superstructure will be built of stone obtained locally, similar to Ranney Falls generating station. This building will house the generators and the low-voltage switching only, as the transformers and all the high-voltage switching will be installed outdoors. The total installation will comprise three units.

The generators, which will be 2,000-kv-a., 6,600-volt, 3-phase, 60-cycle at 150 r.p.m., vertical-type units with direct-connected exciter, have been ordered from the Swedish General Electric Limited, and will be delivered and installed early in 1924.

The transformers have been ordered from the Packard Electric Company and are 2,000-kv-a., 3-phase, 60-cycle, 6,600/44,000-volt, self-cooled units. They are scheduled for delivery in December, 1923.

As this station and also the one at Dam No. 9 are close to Ranney Falls generating station, investigations are being made in an endeavour to make it a remote controlled automatic station with the control point at Ranney Falls generating station.

This station should be ready for service during the summer of 1924.

Plans and specifications for an 8-roomed cottage for the operators were prepared in July and the contract let to Messrs. Blue and Mitchell, of Campbellford, Ontario, in September. Fifty per cent of the construction work is complete.

DAM No. 9 GENERATING STATION

As a further source of power for the Central Ontario and Trent system, authorization was given on March 22, 1923, to develop the power site at Dam No. 9 located about 1½ miles below Ranney Falls. As in the case of Dam No. 8, which is another 1½ miles down stream, investigations are under way to make this a remote controlled automatic station with the control point at Ranney Falls generating station. The total installation will comprise three units.

Tenders have been called for on the generators, transformers and switching equipment.

The generators will be 1,400-kv-a., 3-phase, 60-cycle, 6,600-volt, vertical-type units with direct-connected exciters. The transformers will be a corresponding size to step up the voltage to 44,000 volts.

It is the intention to build the superstructure of native stone similar to Ranney Falls generating station. This will house only the generators and the low-voltage switching. The transformers and high-voltage switching will be installed outdoors.

This station should be ready for service during the fall of 1924.

Deloro Switching Station

The relay-protection at this station was augmented so that the tap line to Deloro could be sectionalized in case of trouble. A third high-voltage current-transformer and two new relays were installed, being placed in service on October 7, 1923.

FRANKFORD GENERATING STATION

Hand brakes are being installed on the four generators.

The protective scheme in this station is being augmented by the replacing of the original relays which were obsolete and inadequate by new ones. This change will improve the operation of the plant.

HEELY FALLS GENERATING STATION

In February authorization was given to complete the surfacing of the generator-room floor. Floor tile was laid around generator No. 4 to match the tile around the other generators. No. 1 generator section and the erection room were given a concrete finish. The work was completed by the Construction department in June.

KINGSTON TRANSFORMER STATION

A third current-transformer and ground relay is being installed on the incoming 44,000-volt circuit at this station.

Lakefield Distributing Station

A small electric heater was installed in the meter house.

Lindsay Distributing Station

The protection scheme on this station is being replaced. All the breakers in the station will be made suitable for 12-volt tripping.

Madoc Gillespie Talc Mills Distributing Station

Metering equipment that had been destroyed by a fire in this company's station was replaced during December, 1922.

Madoc Switching Station

The relay-protection at this station was augmented so that the tap line to Madoc could be sectionalized in case of trouble. A third high-voltage current-transformer and two new relays were installed, being placed in service on October 7, 1923.

Norwood Distributing Station

A small electric heater was installed in the meter house.

Omemee Distributing Station

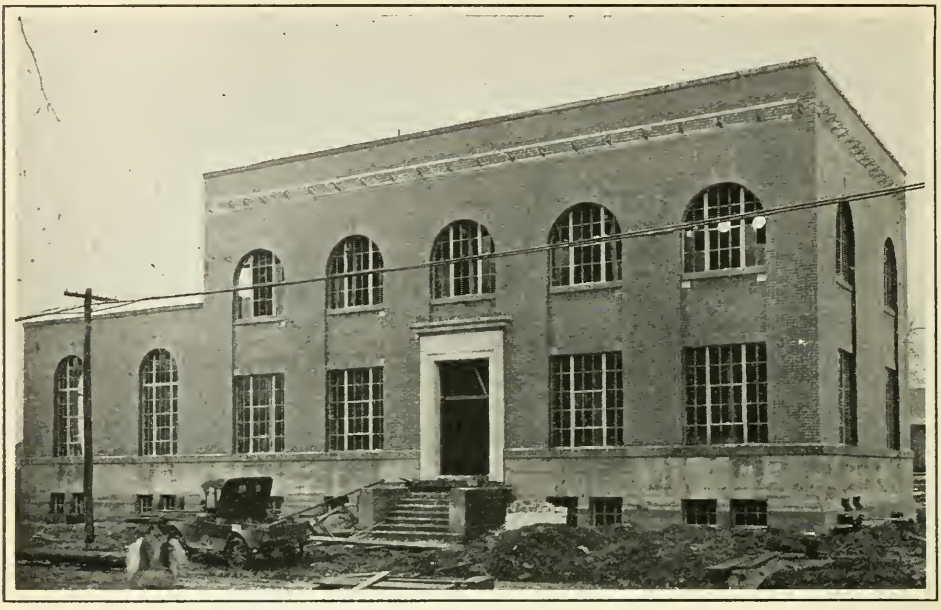
In March, 1923, fuses were installed on the low-voltage outgoing feeder, also a Lincoln demand-meter was installed to replace the graphic meter which had become defective.

PETERBOROUGH HYDRAULIC POWER COMPANY GENERATING STATION

Some switching equipment was installed in order that this company could sectionalize its generating station and connect one of its generators to the Central Ontario and Trent system. A lightning-arrester was installed to give protection. The apparatus was placed in service during October, 1923.

Peterborough Municipal Station

At the request of the Peterborough Utilities Commission, plans and specifications were prepared and engineering assistance given for the construction



PETERBOROUGH MUNICIPAL STATION—November 1, 1923

of the new substation, to include space for two new motor-generator sets for the electric railway. The location is at the corner of Sherbrooke and Aylmer streets.

The building, the contract for which was placed with V. O. Hays, contractor, Peterborough, is being constructed with concrete foundations and red pressed-brick walls with stone trim at the main entrance. The main part of the station is 63 feet long, 39 feet wide and 37 feet high, while the section for the electric railway is 29 feet long, 39 feet wide and 24 feet high.

The contract for the supply and installation of the 4,000- and 2,400-volt switching equipment (with the exception of the 44,000-volt-line, oil circuit-breaker) was awarded to the Canadian General Electric Company. This equipment will consist of a 44,000-volt oxide-film arrester, and sixteen type-'K32" "BY" 15,000-volt, oil circuit-breakers with a twenty-one panel switch-board. The Canadian Westinghouse Company is supplying the 44,000-volt, type-"GA-3" line oil circuit-breaker.

The Packard Electric Company was awarded the contract for the three 1,500/800-kv-a., 44,000/2,400-volt, 3-phase transformers, which were tested by the Engineering department.

The building was ready on October 31, 1923, for the installation of the electrical equipment and the station should be ready for operation before December 31, 1923.

Peterborough Street Railway Station

As the present street railway station is inadequate, and its equipment obsolete, it became necessary to provide a new station with modern equipment if continuity of service was to be assured. Plans and specifications were prepared for the installation of new equipment in a section of the new municipal sub-station now under construction.

The Canadian General Electric Company was awarded the contract for the motor-generator set and its switching and metering equipment. This set

comprises a 1,500-kv-a., 2,400-volt synchronous motor direct-connected to a 500 kw., 575-600-volt interpole generator. A 12-kw., 125-volt, shunt-wound exciter is directly coupled to the shaft. The motor is suitable for reconnection for 4,160-volts.

The Commission will install the totalizing meters, the leads from the main and emergency bus of the municipal station to the bus of the street railway station and the d-c. feeder from the station to the terminal pole structure on Aylmer street.

The building was ready on October 31, 1923, for the installation of the electrical equipment, which should be in operation early in 1924.

SIDNEY GENERATING STATION

Three generators are being equipped with hand brakes, the fourth one being already equipped with an experimental brake.

Added protection on the 6,600-volt feeders to the terminal station is being installed replacing the original protection installed in 1911, as it was obsolete and inadequate.

Sidney Terminal Station

The telephone equipment here has been duplicated in the generating station and an alarm has been installed in the latter to signal the opening of the low-voltage switches. This arrangement makes possible the operation of this station by the generator-station attendants.

Added relay protection is being provided on the incoming feeders from both Sidney and Frankford generating stations, also on the transformer low-voltage feeders.

Trenton Chemical Products Company Distributing Station

The graphic meters in this station were replaced by a Lincoln demand meter, which was placed in service during February, 1923.

Warkworth Distributing Station

A station to supply the village of Warkworth was constructed at Bradley's Corner and fed from the 44,000-volt tie-line between Heely Falls generating station and Trenton transformer station. It is a rural type equipped with Schweitzer and Conrad arrester and a single-phase, 50-kv-a., Moloney Electric Company's transformer and was placed in service on September 29, 1923.

NIPISSING SYSTEM

BINGHAM CHUTE GENERATING STATION

The development at Bingham Chute, mentioned in the previous Annual Report, is under construction. A temporary station was erected, using a three-phase, 22,000-volt, 75-kv-a. transformer connected to the Nipissing system line, which had been extended to this plant to give power for the construction work.

The three 300-kv-a. transformers and one 450-kv-a. generator which had been released from Nipissing generating station, having been replaced by larger capacity units, were moved to Bingham Chute early in 1923 over the winter roads and stored on the site. They are now being installed and the station should be ready for service early in December, 1923.

Authorization was given in October, 1923, for the removal of the feeder panel now installed in Powassan distributing station to the Bingham Chute generating station and its installation in conjunction with Bingham Chute switchboard, also the purchase and installation of necessary switching equipment.

The 300-ampere circuit-breaker, being removed from Nipissing generating station transformer feeder, will replace the existing non-automatic, oil circuit-breaker on this feeder, and as soon as this change is made the work will proceed.

Authorization was given on August 20, 1923, to purchase a brick house and approximately two acres of land adjacent to the Bingham Chute generating station site and also to construct a five-roomed, one-storey house. These will be used as operators' houses.

The property was purchased in August, 1923, and the contract for building the new house was awarded to Marquah Bros., of Callander, in September. This house should be ready for use in December.

NIPISSING GENERATING STATION

The demand for power on the Nipissing system has necessitated the replacement of the second 450-kv-a. generator in the Nipissing generating station with a larger unit. Authorization was given on April 26, 1923, to remove this 450-kv-a. generator and to purchase and install a 1,250-kv-a. unit in its place. Also to replace the present 300-ampere, oil circuit-breaker with one of 600-ampere capacity.

An order for one 1,250-kv-a. generator was placed with the Swedish General Electric, Limited, Toronto, on June 8, 1923.

It will not be possible to remove the 450-kv-a. generator until the first unit at the Bingham Chute generating station is in operation. However, all preparations for this change are being made and the 1,250-kv-a. generator should be in service early in 1924.

NORTH BAY GENERATING STATION No. 2

Authorization was given to construct a Diesel engine plant on the Commission's gas-house property at the corner of Cassell and Worthington streets. The station will be used only as a standby and will feed into the North Bay distributing system at 2,200 volts. The existing brick building was remodelled and enlarged into a building 57 feet 3½ inches by 49 feet 7½ inches by 17 feet 10 inches high with reinforced concrete roof, using brick salvaged from the North Bay steam plant. A portion of the building will be used for a garage and storeroom, while the remainder will house the Diesel engines, generators and switching equipment.

Diesel Engines

Two used 300-horsepower, 500-r.p.m., 2-cycle, 6-cylinder marine Diesel engines, of New London Ship and Engine Company manufacture, were purchased in May, 1923. These engines will be given complete inspection and overhauling before being placed in operation. One engine will be direct connected to a 300-kv-a., 60-cycle, 2,300-volt, 450-r.p.m. generator, and the other will be belted to a 250-kv-a., 2,300-volt, 60-cycle, 600-r.p.m. generator.

Governors for both engines were purchased from the New London Ship and Engine Company in August and should be available in December, 1923.

An air compressor suitable for 1,000 pounds air pressure, with a piston displacement of 11.1 cubic feet per minute and driven by an 8-horsepower gasolene engine was purchased from the Canadian Ingersoll Rand Company

in September, 1923. This compressor will supply the air to the starting bottles which are used for starting the engines.

Two 6,600-gallon, fuel-oil storage-tanks were purchased from the Toronto Iron Works in September and will be installed outdoors. The fuel oil will be heated, around the pump suction-pipe, by circulating engine cooling water through coils located inside the tanks.

A double suction water pump, with a capacity of 170 imperial gallons per minute under 100-foot head and 10-foot suction, driven by a 10-horsepower, 1,800-r.p.m., 110-volt, three-phase motor, was purchased, for circulating cooling water through the engine to a cooling pond and tower at the rear of the building.

Generators

One 300-kv-a. generator originally belt driven and salvaged from the North Bay steam plant, after rebuilding, will be direct connected to one engine. A one and one-half ton flywheel and flexible coupling were purchased in August for this unit, the flywheel being pressed on the generator shaft replacing the original driving pulley. This flywheel is necessary in order to obtain smooth running of the engine.

One 250-kv-a., belt-driven generator was transferred from the Nipigon construction station, and will be belt connected to the second engine. A similar flywheel was purchased for this unit and is suitable for use as a pulley. This flywheel is direct-connected to the engine shaft, and is supported by an outboard bearing purchased for this purpose. A 25-inch, 3-ply leather belt will be used for driving the generator.

Switch-board equipment is being obtained from the Commission's stores.

The first engine will be ready for service in January, 1924.

NORTH BAY STEAM PLANT

On July 3, 1923, the North Bay steam plant was seriously damaged by fire. The equipment comprised three steam engines, three generator units with exciters, complete switchboard units and four steam boilers. The engine and generator room was totally destroyed and the boiler room slightly damaged.

The loss of this plant created a serious operating condition on the Nipissing system, as its capacity was required at low water periods on the South river.

Although the construction of the Bingham Chute development will furnish additional power, a reserve station in North Bay is necessary and the destroyed steam station is being replaced by a Diesel oil-engine station.

Two of the damaged generators, one rated at 300-kv-a. and one at 150-kv-a. were carefully examined and it was decided to have them rebuilt. This work is now being done by the Sterling Electric Company of St. Catharines. The 300-kv-a. unit will be used in the new Diesel engine station, while the 150-kv-a. unit will be held in reserve. The balance of the damaged equipment, also the boilers, have been sold. Some of the building material from the boiler house will be used in the new station.

Powassan Distributing Station

Authorization was given on September 21, 1923, to dismantle the Powassan distributing station. This work will be undertaken as soon as Bingham Chute generating station has been placed in service and power is being supplied to Powassan from the generator 2,300-volt bus.

The metal building will be used as a storehouse for material on the Nipissing system and should be available in January, 1924.

TABLE OF TRANSFORMING STATION

The particulars given in this table refer to all transforming stations owned or operated by the Hydro-Electric Power Commission of Ontario on October 31, 1923.

Under the columns headed "Circuits" are given the complete number and voltage of circuits of all kinds which enter or leave a station except certain feeders that are not the property of the system.

Under "active" transformers are given all transformers actually in operation and in reserve except service transformers.

Station				Circuits			
System number	Name	Date placed in operation	Type of building	High voltage		Low voltage	
				Volts	No.	Volts	No.
							NIAGARA
N 1	Niagara	Aug. 1910	T.S. brick	110,000	4	12,000	12
N 1	"	Aug. 1914	T.S. brick	.....	....	.....	....
N 1	"	Aug. 1914	T.S. brick	46,000	4	.....	....
N 152	Beamsville dist. sta.	Jan. 1923	P. outdoor	12,000	1	4,000	1
N 142	Chippawa dist. sta.	Jan. 1923	P. outdoor	12,000	1	4,000	2
N153	Grimsby dist. sta	Dec. 1922	P. outdoor	12,000	1	4,000	1
N 2	Dundas trans. sta	Sept. 1910	T.S. brick	110,000	12	13,200	6
N2D 31	Dundas rural dist. sta	May 1923	P. outdoor	13,200	1	4,000	2
N 237	Caledonia dist. sta	Sept. 1912	C. brick	13,200	1	2,300	2
N 239	Hagersville dist. sta.	Aug. 1913	D. brick	13,200	1	4,000 2,300	2 1
N 234	Lynden dist. sta.	Sept. 1915	E. brick	13,200	1	4,000	2
N 235	Waterdown dist. sta	April 1915	customer	13,200	1	2,300	3
N 3	Toronto, Strachan Ave. trans. sta	Feb. 1911	T.S. brick	110,000	3	13,200	31
N 4	London trans. sta.	Nov. 1910	T.S. brick	110,000	5	13,200	8
N 442	Ailsa Craig dist. sta.	Jan. 1916	E. brick	13,200	1	4,000	2
N 432	Delaware dist. sta	Mar. 1915	E. brick	13,200	1	4,000	3
N 439	Dorchester dist. sta	Dec. 1914	E. brick	13,200	1	4,000	3
N 443	Exeter dist. sta.	May 1916	D. brick	13,200	1	4,000	4
N 440	Lucan dist. sta	Feb. 1915	E. brick	13,200	1	4,000	2
N 5	Guelph trans. sta	Sept. 1910	T.S. brick	110,000	3	13,200	5
N 537	Acton dist. sta.	Dec. 1912	B. brick	13,200	1	2,300	2
N 538	Cheltenham dist. sta	July 1914	D brick	13,200	1	575	1
N 533	Elora dist. sta	Nov. 1914	E. brick	13,200	1	4,000	1
N 534	Fergus dist. sta.	Nov. 1914	E. brick	13,200	1	2,300	1
N 539	Georgetown dist. sta	Aug. 1913	D. brick	13,200	1	4,000	2
N 536	Rockwood dist. sta.	Aug. 1913	P. outdoor	13,200	1	2,300	1
N 6	Preston trans. sta.	Sept. 1910	T.S. brick	110,000	3	13,200	6
N6D 31	Preston rural dist. sta	Mar. 1919	in Preston T.S.	13,200	1	4,000	1
N 7	Kitchener trans sta	Sept. 1910	T.S. brick	110,000	2	13,200	8
N 735	Baden dist. sta	May 1912	special	13,200	1	4,000	2
N 734	Elmira dist. sta.	Oct. 1913	D. brick	13,200	1	4,000	1
N 737	New Hamburg dist. sta.	Feb. 1911	special	13,200	1	2,300	2*e*
N 733	St. Jacobs dist. sta.	Sept. 1917	P. outdoor	13,200	1	4,000	2
N 8	Stratford trans. sta	Nov. 1911	T.S. brick	110,000	2	26,400	6
N 834	Dublin dist. sta	Oct. 1917	P. outdoor	26,400	1	4,000	1
N 841	Harriston dist. sta	June 1916	H. brick	26,400	1	4,000	1
N 839	Listowel dist. sta.	May 1916	special	26,400	1	4,000	1
N 838	Milverton dist. sta.	May 1916	H. brick	26,400	1	4,000	1
N 840	Palmerston dist. sta.	June 1916	H. brick	26,400	1	4,000	3*a*
N 832	Tavistock dist. sta	Oct. 1916	special	26,400	1	575	2

Note.—For subnotes *a*, *b*, *c*, etc., see end of table.

DETAILS AS OF OCTOBER 31, 1923

Transformers designated as "spare" are extra units at the station ready for emergency use, whereas those referred to as "reserve" are available for use in stations where and when increased capacity is required.

The total kv-a. of all transformers is 1,131,350 kv-a. made up of 949,870 kv-a. in operation, 80,310 kv-a. in reserve and 101,170 kv-a. spare.

There are 930,335 kv-a. of 25-cycle transformers and 201,015 kv-a. of 60-cycle units, making together the total of 1,131,350.

Transformers										
Active								Spare		
No. of banks	No. of units	Make of units	Unit kv-a.	Phase rating of unit	Total kv-a.	Banks connected		Single phase except where otherwise stated		
						H.V.	L.V.	No.	Make	Unit kv-a.
SYSTEM—25 Cycles										
5	15	C.W. Co.	3,500	1	52,500	Y	△	7	C.W. Co.	3,500
4	12	C.W. Co.	7,500	1	90,000	Y	△	....	.....	.....
3	9	C.G.E. Co.	3,500	1	31,500	Y	△	1	C.G.E. Co.	3,500
1	1	P.E. Co.	300	3	300	△	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	△	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	△	Y	....	.....	.....
1	3	C.W. Co.	5,000	1	15,000	Y	△	....	.....	.....
1	1	P.E. Co.	300	3	300	△	Y	....	.....	.....
2	2	C.C.W. Co.	300	3	600	△	△	....	.....	.....
1	3	C.C.W. Co.	150	1	450	△	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	△	△	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.C.W. Co.	75	1	225	△	△	....	.....	.....
6	18	C.G.E. Co.	5,000	1	90,000	Y	△	....	.....	.....
2	6	C.G.E. Co.	5,000	1	30,000	Y	△	1	C.G.E. Co.	5,000
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	P.E. Co.	25	1	75	△	Y	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.G.E. Co.	100	1	300	△	Y	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	Y	....	.....	.....
1	3	G.E. Co.	2,500	1	7,500	Y	△	1	C.G.E. Co.	2,500
1	3	C.W. Co.	75	1	225	△	△	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	△	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	△	....	.....	.....
2	2	P.E. Co.	300	3	600	Y	Y	....	.....	.....
1	3	C.G.E. Co.	25	1	75	△	△	....	.....	.....
2	6	G.E. Co.	1,250	1	7,500	Y	△	1	G.E. Co.	1,250
1	3	P.E. Co.	75	1	225	Y	△	....	.....	.....
1	3	C.G.E. Co.	1,250	1	3,750	Y	△	....	.....	.....
1	3	C.W. Co.	2,500	1	7,500	Y	△	1	C.W. Co.	2,500
1	3	C.C.W. Co.	150	1	450	△	Y	....	.....	.....
1	3	C.G.E. Co.	150	1	450	△	Y	....	.....	.....
1	3	P.E. Co.	75	1	225	△	△	....	.....	.....
1	1	M.E. Co.	75	3	75	△	△	....	.....	.....
2	6	C.W. Co.	1,250	1	7,500	Y	△	1	C.W. Co.	1,250
1	1	M.E. Co.	50	3	50	△	Y	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.G.E. Co.	200	1	600	△	Y	....	.....	.....
1	3	C.G.E. Co.	150	1	450	△	Y	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.C.W. Co.	75	1	225	△	△	....	.....	.....

TABLE OF TRANSFORMING STATION

System number	Name	Date placed in operation	Type of building	Circuits: High voltage Volts	High voltage No.	Low voltage Volts	Low voltage No.
							NIAGARA
N 9	St. Marys trans. sta	April 1911	T.S. brick	110,000	2	13,200	2
N 932	St. Marys Cement Co., dist. sta	Sept. 1912	special	13,200	1	575 575	1 1
N 10	Woodstock trans. sta	Nov. 1911	T.S. brick	110,000	3	13,200	6
N1034	Beachville dist. sta	July 1912	D.L. brick	13,200	1	2,300	2
N1033	Embro dist. sta	Dec. 1914	E. brick	13,200	1	4,000	1
N1036	Norwich dist. sta	Mar. 1912	special	13,200	1	2,300	2
N 11	St. Thomas trans. sta	Feb. 1912	T.S. brick	110,000	4	13,200	8
N1138	Aylmer dist. sta	Feb. 1915	special	13,200	1	4,000	2
N1134	Dutton dist. sta	Aug. 1915	E. brick	13,200	1	4,000	1
N1133	London & Pt. Stanley Ry	June 1915	in St.Thomas T.S.	13,200	3	920	3
N1137	Port Stanley dist. sta	Mar. 1912	B. brick	13,200	1	2,300	1
N11D31	St. Thomas rural dist. sta	July 1923	outdoor	13,200	1	4,000	1
N1135	West Lorne dist. sta	Dec. 1916	E. brick	13,200	1	4,000	2
N 12	Brant trans. sta	Jan. 1914	T.S. brick	110,000	4	26,400	6
N1240	Ayr dist. sta	Dec. 1914	H. brick	26,400	1	4,000	2
N1234	Burford dist. sta	May 1915	H. brick	26,400	1	4,000	1
N1241	Drumbo dist. sta	Dec. 1914	H. brick	26,400	1	4,000	3
N1247	Norfolk dist. sta	Jan. 1923	P. outdoor	26,400	1	4,000	1
N1233	St. George dist. sta	Sept. 1915	in Brant T.S.	4,000	1	230	1
N1235	Waterford dist. sta	May 1915	H. brick	26,400	1	4,000	2
N 13	Cooksville trans. sta	Nov. 1911	T.S. brick	110,000	3	13,200	8
N1331	Port Credit dist. sta	Aug. 1912	B. brick	13,200	1	4,000	2
N1339	Streetsville dist. sta	Nov. 1913	D. brick	13,200	2	2,300	2
N1340	Toronto Twp. dist. sta	Nov. 1911	in Cooksville T.S.	13,200	1	2,300	1
N 14	Kent trans. sta	Aug. 1914	T.S. brick	110,000	4	26,400	6
N1434	Blenheim dist. sta	Oct. 1915	H. brick	26,400	1	4,000	1
N1438	Bothwell dist. sta	Aug. 1915	H. brick	26,400	1	4,000	2
N1442	Brigden dist. sta	Dec. 1917	P. outdoor	26,400	1	575	1
N1440	Dresden dist. sta	Mar. 1915	H. brick	26,400	1	4,000	1
N1455	Fletcher dist. sta	Dec. 1922	P. outdoor	26,400	1	4,000	2
N1445	Forest dist. sta	Feb. 1917	H. brick	26,400	1	4,000	2
N1441	Oil Springs dist. sta	Dec. 1917	P. outdoor	26,400	1	4,000	3
N1448	Perch dist. sta	Nov. 1922	outdoor	26,400	1	575	1
N1443	Petrolia dist. sta	April 1916	G. brick	26,400	2	4,000	5*b*
N1435	Ridgetown dist. sta	Dec. 1915	H. brick	26,400	1	4,000	3*a*
N1437	Thamesville dist. sta	Oct. 1915	H. brick	26,400	1	4,000	1
N1432	Tilbury dist. sta	April 1915	G. brick	26,400	1	4,000	2
N1439	Wallaceburg dist. sta	Feb. 1915	G. brick	26,400	1	4,000	5*bn*
N1446	Watford dist. sta	Sept. 1917	P. outdoor	26,400	2	4,000	2
N 15	Essex trans. sta	Aug. 1914	T. S. brick	110,000	2	26,400	8
N1538	Belle River dist sta	Dec. 1922	P. outdoor	26,400	1	4,000	2
N1533	Can. Salt Co., dist. sta	Nov. 1917	special	26,400	2	176	2
J 2	Amherstburg dist. sta	Feb. 1919	special	26,400	2	4,000	3*a*
J 1	Canard River dist. sta	Jan. 1914	P. outdoor	26,400	1	115 230	1

Note.—For subnotes *a*, *b*, *c*, etc., see end of table.

DETAILS AS OF OCTOBER 31, 1923—Continued

Transformers										
Active								Spare		
No. of banks	No. of units	Make of units	Unit kv-a.	Phase rating of unit	Total kv-a.	Banks connected		Single phase except where otherwise stated		
						H.V.	L.V.	No.	Make	Unit kv-a.
SYSTEM—25 Cycles—Continued										
1	3	G.E. Co.	750	1	2,250	Y	△	4	G.E. Co.	3,000
1	3	C.G.E. Co.	500	1	1,500	△	△	....	.....	.....
1	1	P.E. Co.	1,500	3	1,500	△	△	....	.....	.....
1	3	C.G.E. Co.	2,500	1	7,500	Y	△	2	C.G.E. Co.	1,250
1	3	P.E. Co.	150	1	450	△	△	....	.....	.....
1	1	P.E. Co.	50	3	50	△	Y	....	.....	.....
1	3	P.T. Co.	150	1	450	△	△	....	.....	.....
2	6	G.E. Co.	750	1	4,500	Y	△	1	G.E. Co.	750
1	3	P.E. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
3	9	C.W. Co.	185	1	1,665	△	△	....	.....	.....
1	3	C.G.E. Co.	100	1	300	△	△	....	.....	.....
1	1	F.T. Co.	150	3	150	△	Y	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.W. Co.	2,500	1	7,500	Y	△	1	C.W. Co.	2,500
1	3	C.G.E. Co.	75	1	225	△	Y	....	.....	.....
1	1	M.E. Co.	75	3	75	△	Y	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	△	Y	....	.....	.....
1	3	C.C.W. Co.	50	1	150	Y	△	....	.....	.....
1	3	G.E. Co.	50	1	150	Y	△	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	G.E. Co.	1,250	1	3,750	Y	△	1	G.E. Co.	1,250
1	3	C.G.E. Co.	75	1	225	△	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	△	Y	....	.....	.....
1	3	C.G.E. Co.	150	1	450	△	△	....	.....	.....
1	3	Siemens	50	1	150	△	△	....	.....	.....
1	3	C.W. Co.	1,250	1	3,750	Y	△	4	C.G.E. Co.	2,500
1	3	C.G.E. Co.	2,500	1	7,500	Y	△	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	1	M.E. Co.	75	3	75	△	△	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	1	P.E. Co.	150	3	150	△	Y	....	.....	.....
1	3	C.C.W. Co.	75	1	225	△	△	....	.....	.....
1	1	M.E. Co.	75	3	75	△	Y	....	.....	.....
1	1	C.W. Co.	150	3	150	△	Y	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	△	....	.....	.....
1	3	P.E. Co.	300	1	900	△	Y	....	.....	.....
1	3	P.E. Co.	150	1	450	△	Y	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	C.G.E. Co.	100	1	300	△	Y	3	C.W. Co.	75
1	3	C.G.E. Co.	150	1	450	△	Y	....	.....	.....
1	3	P.E. Co.	150	1	450	△	Y	....	.....	.....
1	1	M.E. Co.	150	3	150	△	Y	....	.....	.....
2	6	C.G.E. Co.	5,000	1	30,000	Y	△	....	.....	.....
1	1	P.E. Co.	150	3	150	△	Y	....	.....	.....
2	6	M.E. Co.	750	1	4,500	△	6	....	.....	.....
1	3	P.E. Co.	100	1	300	△	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	△	Y	....	.....	.....
1	1	M.E. Co.	25	1	25	.....	.....	....	.....	.....

TABLE OF TRANSFORMING STATION

Station				Circuits			
				High voltage		Low voltage	
System number	Name	Date placed in operation	Type of building	Volts	No.	Volts	No.
							NIAGARA
J 6	Cottam dist. sta.	Oct. 1915	P. outdoor	26,400	1	115 230	1
J 7	Essex dist. sta.	Oct. 1914	P. outdoor	26,400	1	2,300	1
J 3	Harrow dist. sta.	Jan. 1914	P. outdoor	26,400	1	2,300	1
J 4	Kingsville dist. sta.	Jan. 1914	special	26,400	2	4,000	3
J 20	Leamington dist. sta.	Aug. 1915	special	26,400	1	4,000	3
J 98–1	Essex County Sys. res. equip.						
N 16	York trans. sta.	Oct. 1919	outdoor	110,000	1	13,200	1
N1631	Etobicoke dist. sta.	Sept. 1918	special	13,200	2	2,300 2,300	6
						4,000	2
N1639	Etobicoke Twp. dist. sta.	Feb. 1923	at York T.S.	13,200	1	4,000	1
N1634	Woodbridge dist. sta.	Dec. 1914	E. brick	13,200	1	4,000	3
N 17	Hamilton trans. sta.	Oct. 1922	outdoor	110,000	2	13,200	4
N17D31	Saltfleet dist. sta.	Feb. 1922	P. outdoor	13,200	1	4,000	1
N 20	Queenston gen. sta.	Jan. 1922	concrete special	110,000	6	12,000	1
N98–1	Niagara System res. equip.						
N98–2	" " " "						
N98–3	" " " "						
N98–6	" " " "						
N98–8	" " " "						
N98–13	" " " "						
N98–14	" " " "						
N98–15	" " " "						
N98–19	" " " "						
N98–20	" " " "						
N98–22	" " " "						
N98–23	" " " "						
N98–24	" " " "						
N98–26	" " " "						
N98–27	" " " "						

Note.—For subnotes *a*, *b*, *c*, etc., see end of table.

DETAILS AS OF OCTOBER 31, 1923—Continued

Transformers										
Active								Spare		
No. of banks	No. of units	Make of units	Unit kv-a.	Phase rating of unit	Total kv-a.	Banks connected H.V.	Banks connected L.V.	Single phase except where otherwise stated No.	Make	Unit kv-a.
SYSTEM—25 Cycles—Continued										
1	1	M.E. Co.	25	1	25	.....	.....	....	.....	.....
1	1	P.E. Co.	150	3	150	△	△	....	.....	.....
1	1	M.E. Co.	75	3	75	△	△	....	.....	.....
1	3	C.W. Co.	75	1	225	△	Y	....	.....	.....
1	3	P.E. Co.	150	1	450	△	Y	3	C.C.W. Co.	75
.....	1	M.E. Co.	75	3	75	26400*m* / 13200△	4000Y / 2300△	....	.....	.....
1	3	C.G.E. Co.	5,000	1	15,000	Y	△	1	C.G.E. Co.	5,000
2	2	C.C.W. Co.	1,500	3	3,000	Y	△	....	.....	.....
1	1	C.W. Co.	1,500	3	1,500	Y	△	....	.....	.....
1	1	C.C.W. Co.	1,500	3	1,500	△	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	△	Y	....	.....	.....
1	1	C.C.W. Co.	300	3	300	△	Y	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	Y	....	.....	.....
2	6	C.W. Co.	5,000	1	30,000	Y	△	....	.....	.....
1	1	M.E. Co.	400	3	400	Y	Y	....	.....	.....
5	15	C.W. Co.	15,000	1	225,000	Y	△	....	.....	.....
.....	4	C.W. Co.	750	1	3,000	63500*m*	13200*m*	....	.....	.....
.....	1	G.E. Co.	750	1	750	63500*m*	13200*m*	....	.....	.....
.....	4	G.E. Co.	750	1	3,000	63500*m*	13200*m*	....	.....	.....
.....	1	M.E. Co.	75	3	75	26400*m* / 13200△	4000Y / 2300/575△	....	.....	.....
.....	1	M.E. Co.	750	3	750	26400*m*Y / 13200	4000*m* / 2300/575△	....	.....	.....
.....	2	C.C.W. Co.	1,500	3	3,000	26400*m*Y / 13200	4000Y*m* / 2300△	....	.....	.....
.....	1	M.E. Co.	50	3	50	26400*m* / 13200△	4000Y*m* / 2300/575△	....	.....	.....
.....	2	C.W. Co.	1,250	1	2,500	63500*m*	26400*m* / 13200	....	.....	.....
.....	1	C.W. Co.	2,500	1	2,500	63500*m*	26400*m* / 13200	....	.....	.....
.....	1	M.E. Co.	50	3	50	26400*m* / 13200	4000*m* / 2300/575△	....	.....	.....
.....	10	C.G.E.	5,000	1	50,000	63500	26400*m* / 13200	....	.....	.....
.....	4	C.C.W. Co.	300	3	1,200	13200	4000Y / 2300/575△	....	.....	.....
.....	4	G.E. Co.	750	1	3,000	63500	13200*m*	....	.....	.....
.....	3	G.E. Co.	1,250	1	3,750	63500*m*	13200*m*	....	.....	.....
.....	3	P.E. Co.	150	1	450	13200	2200 / 1100/550	....	.....	.....

TABLE OF TRANSFORMING STATION

System number	Name	Date placed in operation	Type of building	Circuits: High voltage Volts	High voltage No.	Low voltage Volts	Low voltage No.
NIAGARA							
N98–28	Niagara System res. equip.	.....	.....	.....	....	.....	....
N98–29	" " " "	.....	.....	.....	....	.....	....
N98–31	" " " "	.....	.....	.....	....	.....	....
ONTARIO POWER COMPANY							
A 2	O.P. Co. dist. sta.....	1905	brick special	60,000	2	12,000	11
				30,000	2	.....	....
A 3	Port Colborne dist. sta.....	Sept. 28, 1913	special	30,000	2	2,300	2
						12,000	4
NC 701	Montrose dist. sta.....	Feb. 1920	corrugated iron special	12,000	2	4,000	2
SEVERN							
S 1	Midland dist. sta.....	Aug. 27, 1917	brick special	22,000	3	2,300	5*e*
S 2	Penetang dist. sta.....	Nov. 1911	brick special	22,000	1	2,300	4*e*
S 4	Barrie dist. sta.....	Mar. 1913	brick special	22,000	1	2,300	5*e*
S 5	Collingwood dist. sta.....	1913	brick special	22,000	4	2,300	2*e*
S 6	Coldwater dist. sta.....	1913	G. brick	22,000	1	2,300	1
S 7	Elmvale dist. sta.....	May 27, 1913	G. brick	22,000	1	2,300	1
S 10	Stayner dist. sta.....	Sept. 1913	G. brick	22,000	1	4,000	2
S 11	Midland (G.T.R. Tiffin) dist. sta.....	Sept. 15, 1922	brick special	22,000	2	575	1
S 17	Pt. McNicoll dist. sta.....	Feb. 1921	P. outdoor	2,200	1	575	1
S 18	Waubaushene dist. sta.....	Nov. 13, 1914	E. brick	22,000	1	2,300	1
S 19	Victoria Harbor dist. sta....	July 1, 1914	brick special	22,000	1	2,300	1
S 20	Big Chute gen. sta.....	July 17, 1914	concrete special	22,000	3	2,200	0
S 21	C.P.R., Pt. McNicoll.....	July, 15, 1916	brick special	22,000	2	575	1
S 22	Camp Borden dist. sta.....	June 29, 1916	brick special	22,000	1	2,200	3*e*
S 32	Alliston dist. sta.....	May 23, 1918	H. brick	22,000	1	4,000	1
S 33	Beeton dist. sta.....	July 26, 1918	P. outdoor	22,000	1	4,000	1
S 34	Tottenham dist. sta.....	Sept. 19, 1918	P. outdoor	22,000	1	4,000	1
S 35	Cookstown dist. sta.....	Apr. 25, 1918	P. outdoor	22,000	1	4,000	1
S 36	Thornton dist. sta.....	Oct. 16, 1918	P. outdoor	22,000	1	4,000	1
S 37	Bradford dist. sta.....	Sept. 6, 1918	H. brick modified	22,000	1	575	1
				4,000	1	575	1
S98–4	Severn Sys. res. equip.....	Feb. 15, 1922	.....	.....	....	.....	....
S98–5	" " " "	Mar. 4, 1923	.....	.....	....	.....	....
S98–6	" " " "	July 18, 1923	.....	.....	....	.....	....
EUGENIA							
E 1	Eugenia gen. sta.....	Nov. 18, 1915	brick special	22,000	6	4,000	2
E 2	Owen Sound dist. sta.....	Nov. 18, 1915	brick special	22,000	2	2,300	4
E 3	Chatsworth dist. sta.....	Nov. 18, 1915	H. brick	22,000	1	4,000	1
E 4	Chesley dist. sta.....	June 18, 1916	G. brick	22,000	1	4,000	1
E 5	Dundalk dist. sta.....	Nov. 18, 1915	H. brick	22,000	1	4,000	1

Note.—For subnotes *a*, *b*, *c*, etc., see end of table.

DETAILS AS OF OCTOBER 31, 1923—Continued

Transformers										
Active								Spare		
No. of banks	No. of units	Make of units	Unit kv-a.	Phase rating of unit	Total kv-a.	Banks connected H.V.	Banks connected L.V.	Single phase except where otherwise stated No.	Make	Unit kv-a.
SYSTEM—25 Cycles—Continued										
.....	2	G.E. Co.	750	1	1,500	63500*m*	13200*m*	....	.....	.....
.....	1	C.G.E. Co.	1,250	1	1,250	63500*m*	13200*m*	....	.....	.....
.....	3	C.G.E. Co.	75	1	225	13200*m*	2300/575*m*	....	.....	.....
.....	3	C.G.E. Co.	20	1	60	13200*m*	2300/575*m*	....	.....	.....
SYSTEM—25 Cycles										
4	12	W.E. & M. Co.	3,000	1	36,000	Y	△	....	.....	.....
2	6	C.W. Co.	3,000	1	18,000	Y	△	....	.....	.....
1	3	C.G.E. Co.	150	1	450	△	△	3	P.T. Co.	25
1	3	C.W. Co.	1,500	1	4,500	△	△	2	P.T. Co.	50
								1	C.W. Co.	60
1	1	C.C.W. Co.	1,500	3	1,500	△	Y	1	C.G.E. Co.	550
1	1	C.G.E. Co.	1,500	3	1,500	△	Y	....	.....	.....
SYSTEM—60 Cycles										
1	3	M.E. Co.	300	1	900	△	△	....	.....	.....
1	3	M.E. Co.	300	1	900	△	△	....	.....	.....
1	2	P.E. Co.	350	1	700	T	+	....	.....	.....
1	2	C.G.E. Co.	350	1	700	T	+	....	.....	.....
1	3	C.G.E. Co.	400	1	1,200	△	△	....	.....	.....
1	3	C.W. Co.	40	1	120	△	△	....	.....	.....
1	3	C.W. Co.	75	1	225	△	△	....	.....	.....
1	3	C.W. Co.	100	1	300	△	Y	....	.....	.....
1	3	C.G.E. Co.	400	1	1,200	△	△	....	.....	.....
1	3	P.E. Co.	15	1	45	△	△	....	.....	.....
1	2	C.G.E. Co.	25	1	50	Y	Y	....	.....	.....
1	1	C.W. Co.	100	1	100	.....	.....	....	.....	.....
2	6	C.W. Co.	600	1	3,600	△	△	1	C.W. Co.	600
1	3	C.G.E. Co.	500	1	1,500	△	△	....	.....	.....
1	3	C.W. Co.	125	1	375	△	△	....	.....	.....
1	3	P.E. Co.	75	1	225	△	Y	....	.....	.....
1	1	M.E. Co.	75	3	75	△	Y	....	.....	.....
1	1	M.E. Co.	75	3	75	△	Y	....	.....	.....
1	1	C.G.E. Co.	75	3	75	△	Y	....	.....	.....
1	1	M.E. Co.	25	3	25	△	Y	....	.....	.....
1	1	C.G.E. Co.	75	3	75	△	△	....	.....	.....
1	3	C.G.E. Co.	15	1	45	△	Y	....	.....	.....
						m	*m*			
.....	1	C.G.E. Co.	50	3	50	22000△	2300/575△	....	.....	.....
.....	3	C.C.W. Co.	200	1	600	22000*m*	2200*m*	....	.....	.....
.....	1	C.G.E. Co.	25	1	25	22000*m*	2300/575*m*	....	.....	.....
	2	M.E. Co.	25	1	50	22000*m*	2300/575*m*	....	.....	.....
SYSTEM—60 Cycles										
2	6	C.W. Co.	900	1	5,400	△	△	....	.....	.....
1	3	C.W. Co.	550	1	1,650	△	△	....	.....	.....
1	3	C.G.E. Co.	25	1	75	△	Y	....	.....	.....
1	3	C.G.E. Co.	100	1	300	△	Y	....	.....	.....
1	3	C.G.E. Co.	50	1	150	△	Y	....	.....	.....

TABLE OF TRANSFORMING STATION

System number	Name	Date placed in operation	Type of building	Circuits: High voltage Volts	High voltage No.	Low voltage Volts	Low voltage No.
							EUGENIA
E 7	Durham dist. sta.	Nov. 18, 1915	H. brick	22,000	1	4,000	2
E 8	Hanover dist. sta.	1918	G. brick modified	22,000	1	4,000 2,300	3 1
E 9	Mt. Forest dist. sta.	Nov. 18, 1915	G. brick	22,000	1	4,000	1
E10	Shelburne dist. sta.	Sept. 5, 1917	H. brick	22,000	1	4,000	2
E12	Orangeville dist. sta.	Feb. 1917	G. brick	22,000	1	4,000	2
E13	Grand Valley dist. sta.	Aug. 1917	H. brick mod.	22,000	1	4,000	2
E15	Kilsyth dist. sta.	Jan. 1, 1918	P. outdoor	22,000	1	4,000	1
E17	Elmwood dist. sta.	May 23, 1918	P. outdoor	22,000	1	4,000	1
E18	Priceville dist. sta.	Mar. 17, 1921	P. outdoor	22,000	2	2,200	1
E21	Teeswater dist. sta.	May 1921	H. brick	22,000	1	4,000	2
E22	Wingham dist. sta.	April 1921	G. brick	22,000	1	2,300	4
E24	Holyrood dist. sta.	April 1921	outdoor special	22,000	1	4,000	2
E25	Kincardine dist. sta.	May 1921	special brick	22,000	1	2,200	2
E26	Walkerton Quarry dist. sta.	Feb. 1921	frame	22,000	1	2,300	2
E29	Durham, Russell dist. sta.	May 7, 1922	P. outdoor	22,000	2	575	1
E31	Mt. Forest freq. chg. sta.	Oct. 1923	sheel metal	26,400 22,000	1 1	2,300 2,300	1 1
							WASDELLS
W 1	Wasdells Falls gen. sta.	Sept. 1914	concrete special	22,000	2	2,300	2
W 2	Beaverton dist. sta.	Sept. 1914	G. special brick	22,000	1	4,000	1
W 3	Cannington dist. sta.	Sept. 1914	G. brick	22,000	1	4,000	1
W 6	Kirkfield dist. sta.	April 22, 1920	H. concrete	22,000 4,000	1 1	575 575	1 1
W 7	Greenbank dist. sta.	Sept. 1922	P. outdoor	22,000	1	4,000	1
W 9	Pinedale dist. sta.	Sept. 1923	outdoor	22,000	1	2,300	1
							MUSKOKA
M 1	South Falls gen. sta.	Sept., 1916	brick special	22,000	1	6,600	1
M 2	Huntsville dist. sta.		G. brick special	22,000	1	2,300	1
							ST. LAWRENCE
L 1	Cornwall trans. sta.	May 1, 1919	brick	110,000	2	44,000	2
L 2	Prescott dist. sta.	Mar. 1914	G. outdoor	44,000	1	2,400	3
L 3	Brockville dist. sta.	April 1915	brick	44,000	1	2,400	3
L 4	Winchester dist. sta.	July 18, 1914	G. brick	26,400	1	4,000	1
L 5	Chesterville dist. sta.	Aug. 3, 1919	S. outdoor mod.	26,400	1	4,160	1
L 6	Cornwall Howard Smith Paper Co., dist. sta.	June 15, 1919	brick	44,000	1	600	7
L 7	Williamsburg dist. sta.	Dec. 24, 1920	outdoor	26,400	1	2,400	1
L13	Martintown dist. sta.	May 25, 1921	R. outdoor	44,000	1	4,160	1
L14	Apple Hill dist. sta.	Feb. 22, 1921	S. outdoor mod.	44,000	1	4,160	1
L15	Alexandria dist. sta.	Jan. 18, 1921	S. outdoor mod.	44,000	1	4,160	1
L21	Morrisburg dist. sta.	Oct. 1, 1922	outdoor	44,000	1	26,400	1
L98–1	St. Lawrence Sys. res. equip.						
L98–2	St. Lawrence Sys. res. equip.						
L98–3	St. Lawrence Sys. res. equip.						

Note.—For subnotes *a*, *b*, *c*, etc., see end of table.

DETAILS AS OF OCTOBER 31, 1923—Continued

Transformers

Active								Spare		
No. of banks	No. of units	Make of units	Unit kv-a.	Phase rating of unit	Total kv-a.	Banks connected H.V.	Banks connected L.V.	Single phase except where otherwise stated No.	Make	Unit kv-a.
SYSTEM—60 Cycles—Continued										
1	3	C.G.E. Co.	50	1	150	△	Y	....	.....	.....
2	2	P.E. Co.	750	3	1,500	△	Y	....	.....	.....
1	1	P.E. Co.	750	3	750	△	△	....	.....	.....
1	3	C.G.E. Co.	100	1	300	△	Y	....	.....	.....
1	3	M.E. Co.	50	1	150	△	Y	....	.....	.....
1	3	G.E. Co.	100	1	300	△	Y	....	.....	.....
1	3	C.G.E. Co.	75	1	225	△	Y	....	.....	.....
1	1	M.E. Co.	75	3	75	△	Y	....	.....	.....
1	1	M.E. Co.	50	3	50	△	Y	....	.....	.....
1	2	G.E. Co.	10	1	20	Y	Y	....	.....	.....
1	3	C.G.E. Co.	50	1	150	△	Y	....	.....	.....
1	3	C.G.E. Co.	250	1	750	△	△	....	.....	.....
1	3	C.W. Co.	100	1	300	△	Y	....	.....	.....
1	3	C.W. Co.	125	1	375	△	△	....	.....	.....
1	3	M.E. Co.	150	1	450	△	△	....	.....	.....
1	3	M.E. Co.	100	1	300	△	△	....	.....	.....
1	3	P.E. Co.	350	1	1,050	△	△	....	.....	.....
1	3	M.E. Co.	300	1	900	△	△	....	.....	.....
SYSTEM—60 Cycles										
2	6	C.W. Co.	150	1	900	△	△	1	C.W. Co.	150
1	3	C.W. Co.	100	1	300	△	Y	....	.....	.....
1	3	C.W. Co.	100	1	300	△	Y	....	.....	.....
1	3	P.E. Co.	75	1	225	△	△	....	.....	.....
1	3	M.E. Co.	10	1	30	Y	△	....	.....	.....
1	1	C.G.E. Co.	150	3	150	△	Y	....	.....	.....
1	1	M.E. Co.	75	3	75	△	Y	....	.....	.....
SYSTEM—60 Cycles										
1	3	C.G.E. Co.	400	1	1,200	△	△	....	.....	.....
1	3	C.G.E. Co.	300	1	900	△	△	....	.....	.....
SYSTEM—60 Cycles										
1	3	C.G.E. Co.	5,000	1	15,000	Y	Y	1	C.G.E. Co.	5,000
								4	C.G.E. Co.	1,250
1	1	P.E. Co.	300	3	300	Y	△	....	.....	.....
2	2	C.G.E. Co.	750	3	1,500	Y	△	....	.....	.....
1	3	C.G.E. Co.	50	1	150	△	Y	....	.....	.....
1	1	C.G.E. Co.	300	3	300	△	Y	....	.....	.....
1	1	C.G.E. Co.	1,500	3	1,500	Y	△	....	.....	.....
1	1	C.G.E. Co.	750	3	750	Y	△	....	.....	.....
1	1	M.E. Co.	30	1	30	.....	.....	....	.....	.....
1	1	P.E. Co.	150	3	150	Y	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	Y	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	Y	Y	....	.....	.....
1	1	P.E. Co.	300	3	300	Y	△	....	.....	.....
.....	1	C.G.E. Co.	750	3	750	$\frac{44000Y_m}{25400}\triangle$	$\frac{4160Y_m}{2400/600}\triangle$	....	.....	.....
.....	1	M.E. Co.	300	3	300	$\frac{44000Y_m}{25400}\triangle$	$\frac{4160Y_m}{2400/600}\triangle$	....	.....	.....
.....	3	C.G.E. Co.	150	1	450	$\frac{26400_m}{13200}$	$\frac{2300_m}{575}$	....	.....	.....

TABLE OF TRANSFORMING STATION

System number	Station: Name	Station: Date placed in operation	Station: Type of building	Circuits: High voltage: Volts	Circuits: High voltage: No.	Circuits: Low voltage: Volts	Circuits: Low voltage: No.
							RIDEAU
H 1	High Falls gen. sta.	May 1, 1920	concrete	25,400	1	4,160	....
H 2	Perth dist. sta.	Feb. 27, 1920	G. brick mod.	26,400	1	2,300	2
H 3	Smiths Falls dist. sta.	Sept. 15, 1918	stone	25,400	1	2,400	3
H 5	Carleton Place dist. sta.	May 31, 1920	brick	26,400	1	2,200	4
H 8	Balderson dist. sta.	Sept. 29, 1921	R. outdoor	26,400	1	2,400	1
H 9	Kemptville dist. sta.	Nov. 28, 1921	R. outdoor	25,400	1	4,160	1
							THUNDER BAY
P 1	Nipigon gen. sta.	Dec. 20, 1920	concrete special	110,000	1	12,000	2
P 2	Pt. Arthur trans. sta.	Dec. 20, 1920	wood frame and gunite special	110,000	1	22,000	3
P231	Pt. Arthur dist. sta.	.....	brick special	22,000	4	2,200	8
							CENTRAL ONTARIO AND TRENT
C 3	Sidney term. trans. sta.	1911*k*	brick special	44,000	3	6,600	6
C 6	Brighton dist. sta.	1911*k*	brick special	44,000	1	4,160	1
C 7	Colborne dist. sta.	1912*k*	brick special	44,000	1	2,400	1
C10	Ranney Falls gen. sta.	1922	concrete special and stone	44,000	1	6,600	....
C11	Seymour gen. sta.	1909*k*	special stone	44,000	2	2,400	3
C13	Cobourg dist. sta.	1911*k*	brick special	44,000	1	2,400	4
C14	Heely Falls gen. sta.	1914*k*	brick special	44,000	3	6,600	1
C16	Port Hope dist. sta.	1912*k*	brick special	44,000	1	2,400	3
C18	Auburn gen. sta.	1912*k*	brick special	6,600	4	2,400	2
C19	Auburn trans. sta.	1912*k*	brick special	44,000	1	6,600	2
C20	Peterboro dist. sta.	1912*k*	spec. met. fram	6,600	4	2,400	9
C22	Newcastle dist. sta.	1911*k*	brick special	44,000	1	2,400	1
C23	Bowmanville dist. sta.	1912*k*	brick special	44,000	1	4,160	3
C24	Oshawa dist. sta.	1911*k*	brick special	44,000	1	4,160	7
C25	Millbrook dist. sta.	1912*k*	.....	44,000	1	2,400	1
C26	Omemee dist. sta.	Jan. 17, 1918	outdoor special	44,000	1	4,160	1
C29	Lindsay dist. sta.	1912*k*	brick special	11,000	2	4,160	2
C30	Fenelon Falls gen. sta.	*k*	brick special	11,000	2	600	1
C31	Norwood dist. sta.	Jan. 12, 1921	S. outdoor mod. special	44,000	1	4,160	2
C32	Deloro dist. sta.	1909*k*	brick special	44,000	1	600	1
C33	Madoc dist. sta.	1909*k*	brick special	44,000	1	4,160	4
C34	Sulphide dist. sta.	1910*k*	brick special	44,000	1	2,400	3
C36	Pulp Mill dist. sta.	1909*k*	concrete special	44,000	1	2,400	3
C37	Trenton dist. sta.	.....	brick special	6,600	2	4,160	2
C38	Belleville dist. sta.	1910*k*	brick special	44,000	1	2,400	6
C39	Belleville Cement Co., dist. sta.	1911*k*	brick special	44,000	1	600	*j*
C40	Pt. Anne Quarries dist. sta.	1910*k*	brick special	44,000	1	600	4
C41	Lehigh Cement dist. sta.	1911*k*	brick special	44,000	2	600	*j*
C42	Deseronto dist. sta.	1911*k*	brick special	44,000	1	2,400	3
C43	Napanee dist. sta.	1912*k*	brick special	44,000	1	4,160	2

Note.—For subnotes *a*, *b*, *c*, etc., see end of table.

DETAILS AS OF OCTOBER 31, 1923—Continued

Transformers										
Active								Spare		
No. of banks	No. of units	Make of units	Unit kv-a.	Phase rating of unit	Total kv-a.	Banks connected H.V.	Banks connected L.V.	Single phase except where otherwise stated No.	Make	Unit kv-a.
SYSTEM—60 Cycles										
3	3	P.E. Co.	750	3	2,250	△	Y	....	.....	.....
1	3	C.W. Co.	200	1	600	△	△	....	.....	.....
1	1	C.G.E. Co.	750	3	750	△	△	....	.....	.....
1	3	P.T. Co.	250	1	750	△	△	....	.....	.....
1	1	M.E. Co.	*l* 30	1	30	..	..	....	.....	.....
1	1	P.E. Co.	150	3	150	△	Y	....	.....	.....
SYSTEM—60 Cycles										
1	3	C.G.E. Co.	8,000	1	24,000	Y	△	1	C.G.E. Co.	8,000
1	3	C.G.E. Co.	4,000	1	12,000	Y	△	1	C.G.E. Co.	4,000
2	6	S.Co. of C.	750	1	4,500	Y	△	1	S.Co. of C.	750
SYSTEM—60 Cycles										
3	3	C.W. Co.	3,000	3	9,000	Y	△	....	.....	.....
1	3	C.G.E. Co.	100	1	300	△	△	....	.....	.....
1	1	C.G.E. Co.	100	1	100	..	..	....	.....	.....
2	2	C.G.E. Co.	4,500	3	9,000	Y	△	....	.....	.....
4	4	C.W. Co.	1,125	3	4,500	Y	Y	....	.....	.....
1	1	C.G.E. Co.	300	3	300	Y	△	1	C.G.E. Co.	300
1	1	C.G.E. Co.	750	3	750	Y	△	....	.....	.....
3	3	C.W. Co.	3,750	3	11,250	Y	△	....	.....	.....
1	1	C.G.E. Co.	750	3	750	Y	△	....	.....	.....
1	1	C.G.E. Co.	300	3	300	Y	△	....	.....	.....
1	3	C.G.E. Co.	200	1	600	△	△	....	.....	.....
2	2	C.G.E. Co.	1,875	3	3,750	Y	△	....	.....	.....
4	4	C.G.E. Co.	750	3	3,000	Y	△	....	.....	.....
1	1	C.G.E. Co.	100	1	100	.....	.....	....	.....	.....
2	2	C.G.E. Co.	750	3	1,500	Y	Y	....	.....	.....
2	2	C.G.E. Co.	1,500	3	3,000	Y	Y	1	C.G.E. Co.	750
2	2	C.G.E. Co.	750	3	1,500	Y	Y	....	.....	.....
1	1	C.G.E. Co.	100	1	100	.....	.....	....	.....	.....
1	3	M.E. Co.	40	1	120	Y	Y	....	.....	.....
2	2	C.G.E. Co.	750	3	1,500	Y	Y	....	.....	.....
1	1	C.G.E. Co.	750	3	750	Y	Y	....	.....	.....
2	6	C.G.E. Co.	135	1	810	△	△	1	C.G.E. Co.	135
								1	C.G.E. Co.	750
1	1	P.E. Co.	300	3	300	Y	Y	....	.....	.....
1	3	C.W. Co.	250	1	750	△	△	....	.....	.....
3	3	C.G.E. Co.	300	3	900	Y	Y	....	.....	.....
2	2	C.C.W. Co.	240	3	480	Y	△	....	.....	.....
2	2	C.W. Co.	1,125	3	2,250	Y	Y	....	.....	.....
2	6	C.G.E. Co.	100	1	600	△	Y	....	.....	.....
1	1	C.G.E. Co.	750	3	750	△	Y	....	.....	.....
3	3	C.G.E. Co.	750	3	2,250	Y	△	....	.....	.....
1	1	C.G.E. Co.	750	3	750	Y	△	....	.....	.....
1	1	C.G.E. Co.	100	1	100	.....	.....	....	.....	.....
2	2	C.G.E. Co.	300	3	600	Y	△	....	.....	.....
5	5	C.G.E. Co.	750	3	3,750	Y	△	....	.....	.....
2	2	C.G.E. Co.	300	3	600	Y	△	....	.....	.....
2	2	C.G.E. Co.	300	3	600	Y	Y	....	.....	.....

TABLE OF TRANSFORMING STATION

Station				Circuits			
				High voltage		Low voltage	
System number	Name	Date placed in operation	Type of building	Volts	No.	Volts	No.
				CENTRAL ONTARIO AND TRENT			
C44	Kingston dist. sta.	1917	brick special	44,000	1	2,400	5
C45	Wellington dist. sta.	Mar. 25, 1919	S. outdoor	44,000	1	4,160	2
C46	Picton dist. sta.	Mar. 6, 1919	S. outdoor	44,000	1	2,400	2
C47	Marmora dist. sta.	Dec. 14, 1920	outdoor special	44,000	1	2,400	1
C49	Warkworth dist. sta.	Sept. 1923	outdoor	44,000	1	2,400	1
				NIPISSING			
Z 1	Nipissing gen. sta.	1909*k*	brick special	22,000	1	2,200	1
Z 2	Powassan dist. sta.	1909*k*	brick special	22,000	1	2,400	1
Z 3	Callander dist. sta.	1909*k*	sheet metal special	22,000	1	2,200	1
Z 4	North Bay dist. sta.	1909*k*	brick special	22,000	1	2,200	1
Z 98	Reserve equipment	Sept. 7, 1921					

a. Includes one constant-current street-lighting feeder, the property of the municipality.
b. Includes two constant-current street-lighting feeders, the property of the municipality.
e. Feeders are the property of the municipality.
j. Feeders, other than those shown are owned by customers.

DETAILS AS OF OCTOBER 31, 1923—Continued

Transformers										
Active								Spare		
No. of banks	No. of units	Make of units	Unit kv-a.	Phase rating of unit	Total kv-a.	Banks connected		Single phase except where otherwise stated		
						H.V.	L.V.	No.	Make	Unit kv-a.
SYSTEM—60 Cycles—Continued										
3	3	C.G.E. Co.	750	3	2,250	Y	△	....	.....	.....
1	1	C.G.E. Co.	300	3	300	Y	Y	....	.....	.....
1	1	C.G.E. Co.	300	3	300	Y	△	....	.....	.....
1	1	M.E. Co.	50	1	50	.....	.....	....	.....	.....
1	1	M.E. Co.	50	1	50	.....	.....	....	.....	.....
SYSTEM—60 Cycles										
1	3	P.E. Co.	900	1	2,700	△	△	....	.....	.....
1	3	C.G.E. Co.	50	1	150	△	△	....	.....	.....
1	1	A.C.B.	50	1	75	Y	Y	....	.....	.....
	1	C.G.E.	25	1	.....	.....	.....	....	.....	.....
1	3	C.W. Co.	450	1	1,350	△	△	....	.....	.....
.....	3	C.W. Co.	300	1	900	22,000*m*	2,200*m*	....	.....	....

k. Operation taken over by the Hydro-Electric Power Commission in March, 1916.
l. Transformer good for 50 kv-a. at 44,000 volts.
m. Voltage rating.
n. Includes one feeder owned by the municipality.

SECTION VI

TRANSMISSION SYSTEMS

NIAGARA SYSTEM

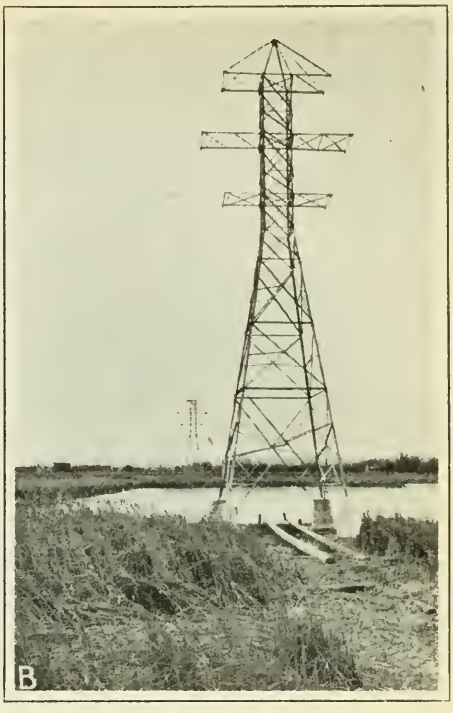
The principal work carried out during the present year was the further development of the 110,000-volt line of the Niagara system to deliver power from the Queenston generating station to points throughout the system where the demand was increasing most rapidly.

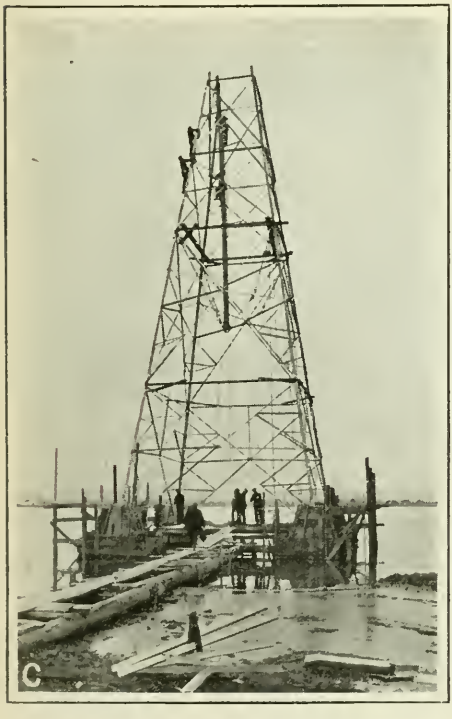
Negotiations with the Department of Public Works of Canada and other interested bodies were completed for the construction of a steel-tower line across Burlington bay. This line is necessary to complete the connection between Queenston and the existing 110,000-volt lines paralleling the north shore of Lake Ontario. Construction is well under way on this work. The portion of the new line north of Burlington bay has been completed and the conductors are erected through to York station. Pending the completion of this line across Burlington bay, temporary construction has been provided across Burlington Beach and this line between Queenston and Toronto is available for operation.

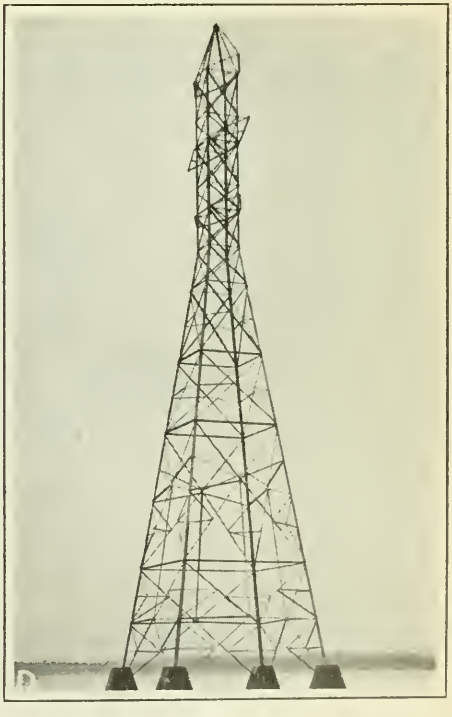
A portion of the 110,000-volt line between Queenston and St. Thomas district has been completed and is in operation from Queenston to a junction point near Allanburg, where it is connected to the existing lines between Niagara and Dundas.

A new 110,000-volt tie line is being built from York high-tension station to the Toronto and Niagara Power Company's lines near Islington. These lines are being reinsulated for 110,000-volt operation from this point to the Davenport station. Some experimental work is being done on these lines with pin type insulators.

About twenty-nine miles of low-tension lines were built in the St. Catharines and Richmond Hill districts. Plans were completed for a new direct line from Essex high-tension station to Walkerville to take care of the increased load in this municipality. The line between Stratford and Goderich was reinsulated and the telephone line from Stratford to Harriston was restrung.







TRANSMISSION TOWERS—110,000 VOLTS

a. Standard Tower near St. Catharines
b. Burlington Beach line: looking south from Radial crossing
c. Burlington Beach line: erecting steel tower with suspended gin pole
d. Burlington Beach line: completed tower -

SEVERN SYSTEM

The line from Big Chute to Waubaushene was reinsulated and long spans at crossings were rebuilt to provide for more reliable operating conditions on the main line.

EUGENIA SYSTEM

A 26,400-volt tie line was built from Harriston to Mount Forest connecting the Niagara and Eugenia systems in order to supplement the power supply on the latter system. This line will operate at 25 cycles.

A 22,000-volt line is being built from the Eugenia-Collingwood line to Meaford. Air-break switches on this system are being replaced by switches of more modern design. The telephone line between this system and the Toronto office was restrung, giving a better connection.

MUSKOKA SYSTEM

Preliminary engineering work is being done in connection with a new 40,000-volt line from South Falls to Wausbaushene.

THUNDER BAY SYSTEM

A line is being located for a 110,000-volt steel-tower line from Cameron Falls to Port Arthur and Fort William. Construction is also proceeding on a 110,000-volt line from the 110,000-volt station at Nipigon to intersect the present line in the Nipigon Reserve.

CENTRAL ONTARIO AND TRENT SYSTEM

A new 44,000-volt line is being built in Peterboro from the Auburn station to a new substation on Dalhousie street. There have also been built 44,000-volt lines from the power plants which are under construction at Dams 8 and 9 on the Trent river to the Heely Falls-Trenton line, near Meyersburg.

NIPISSING SYSTEM

Construction work is proceeding on a 22,000-volt line from Bingham Chute to existing lines at Powassan.

GENERAL

A radical change has been made in the construction of the 110,000-volt, steel-tower lines by using heavier towers and conductors and increasing the length of spans from 550 feet to 880 feet.

In Appendix II will be found tables relating to the different lines and systems built and operated by the Commission, or purchased from others.

TRANSMISSION TOWERS—CONSTRUCTION
Burlington Beach line: driving wood piling for tower footings

TRANSMISSION TOWERS—CONSTRUCTION
Burlington Beach line: steel dowels in wood piling

DISTRIBUTION LINES AND SYSTEMS

At the end of Appendix II will be found a number of tabular statements giving details of certain works constructed by the Hydro-Electric Power Commission during the year ended October 31, 1923.

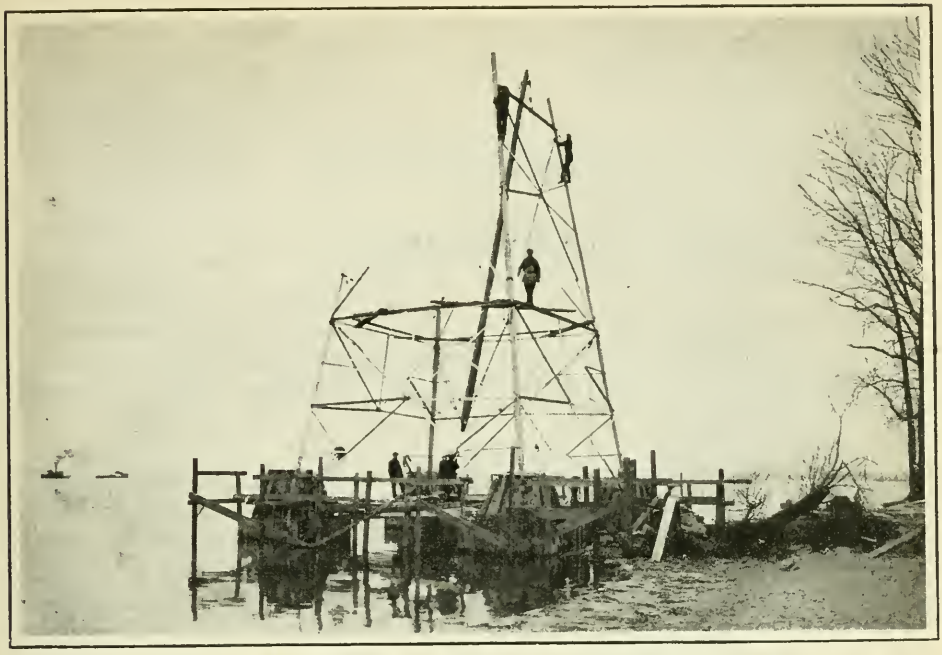
In general there is included in this tabulation information respecting the following:

(a) The construction in rural power districts of line and equipment to transmit power from the nearest substations to the individual consumers in these districts.

(b) The construction of feeder lines at voltages less than 5,000 to transmit power to municipalities and large individual consumers.

(c) The construction of metering stations in connection with the lines in (a) and (b) and

(d) The construction of distribution systems in municipalities, either partial or complete, including street lighting and underground cable and conduit systems.



TRANSMISSION TOWER—CONSTRUCTION
Burlington Beach line: erecting steel tower. Supply tug in distance

RURAL UNDERGROUND SERVICE
Laying rural underground lead-covered transmission line in shallow trench at side of highway

SECTION VII

LABORATORIES

In this department are centralized the functions of testing, research and inspection of materials, and the facilities and staff are at the service of the municipalities, in connection with all problems coming within the scope of these functions.

During the past year this department has experienced a gradual return to normal conditions; in practically every branch, work has increased in volume and present conditions indicate that the coming year will be an extremely active one. Inspection of construction materials, electrical equipment and incandescent lamps have been the chief causes of this increase.

The number of requests for tests received from Hydro municipalities indicates an increasing desire on the part of the co-operating municipalities to make use of the Laboratories.

The meter branch has done a considerable amount of commercial standardization and repair work on portable meters. Other branches have also from time to time been requested to undertake commercial tests.

Considerable work has been done by various members of the staff on technical committees and benefit has resulted therefrom to the Commission. The Laboratories is represented on committees of the Canadian Engineering Standards Association, the American Society for Testing Materials, the American Concrete Institute, the Illuminating Engineering Society and the American Institute of Electrical Engineers.

Several items of research, which are mentioned below, are receiving attention and several proposed investigations are under consideration.

High-Tension and General Testing Laboratory

Development of Equipment

The equipment in use in the High-Tension and General Testing Laboratory has been listed in former reports and this is maintained in such condition as to result in maximum benefit to the engineering activities of the system. Minor modifications are required at times to meet special testing demands, a typical example of which may be given as follows: Puncture test values up to 440,000 volts on insulator units were required and satisfactorily completed. When it is remembered that this voltage will strike across an air gap of 45 inches, or find its way through and shatter three to four inches of the best porcelain, the care necessary in designing such special equipment will be more apparent.

Attention has been given to the development of an insulator testing device for use on live lines, and present results indicate that a very simple device may be made which will be at least equal to, if not better than, any device at present available.

Routine Testing and Factory Inspection

In addition to the regular testing in the laboratory of oils, rubber gloves for linemen's use, protective mats and other insulating material and electrical equipment for many purposes, considerable outside inspection and testing has been done by the staff for other departments and for outside parties as well. The main advantages of such an extension of the work of the laboratory, in addition to the service rendered, lie in the facilities afforded the staff in keeping up to date in the more important branches of equipment and applications of electricity. The laboratory becomes better fitted, as time goes on, to act as a clearing-house for information which may be legitimately passed on for the mutual benefit of its supporters.

Electrical Research

Outstanding problems in electrical engineering, such as the mitigation of inductive interference between power and telephone lines, lightning protection, etc., have been followed up. Examination has been made as to the real merits of what purported to be improvements in devices and the methods of application of electric energy. Such services rendered tend to stabilize the judgment of engineers responsible for important decisions on methods or equipment. Assistance has been rendered in an extensive series of tests on the operating characteristics of the units in Queenston generating station. The magnitude of the masses of material and the forces in play under transient conditions demand most thorough analysis to ensure safety in operation.

Commercial Tests

Some engineering assistance supplemented by actual test data has also been rendered to private manufacturers and inventors.

Special Studies of High Tension Problems

A study of the efficiency and regulation of transmission lines transmitting large blocks of power for long distances and at different frequencies has also been made in anticipation of the future requirements of the Commission.

Approval Laboratory

Although a smaller number of applications for approval of new or improved devices was received during the year, the amount of work involved has been practically the same as during the previous year. Thus, out of 160 applications, 123 reports were completed for which 165 cards summarizing these reports were issued. As in previous years, manufacturers using the approval service of the Underwriters' Laboratories made applications for listing their devices, and cards to the number of 111 were printed for insertion in the approval record of the Commission.

Heating Appliances

Stationary and portable heating appliances have again figured largely in the applications for approval, several new lines of ranges, water heaters, portable air heaters and table appliances being submitted. Electric curling irons of various types have appeared in Ontario during the year and several have been submitted for approval, with the result that a number of substandard features have been eliminated.

Motor-Operated Appliances

Devices of this nature have also been submitted in increasing numbers, especially machines for domestic, store and shop use, such as washers, floor

cleaners, sewing machines, fans, refrigerating machines, air compressors, dental motors, drills and oil-burning furnace equipments. The last mentioned devices are usually operated by automatic switches upon the operation of which the safe use of the furnace depends, and in consequence these switches are required to be designed and constructed in a rugged manner so that they will function without failure.

Wiring Devices

In the field of wiring work and services a new development may be noted in the design and construction of so-called "standardized" service boxes arranged to enclose the meter terminal board and connections with the object of preventing theft of current. A number of enclosed switch manufacturers have already arranged to manufacture this line and have applied for label service in connection therewith.

Labels

The number of labels sold shows a substantial increase, amounting to 40 per cent both in the case of transfer labels for enclosed switches and cut-out boxes, and of brass labels for signs; the panelboard label sales, however, show no increase. Factory inspection for both label and re-examination service has been more thoroughly done, the number of inspections made averaging fifty per month for re-examination service and fifteen per month for label service.

Card Reports

To enable inspectors and card subscribers generally to keep the approval card record in proper order, a set of card guides, printed and supplied with celluloid tabs, was prepared and issued to each subscriber. This move was made necessary on account of the fact that the card record now comprises over 1,000 cards. In addition to the regular issue of approval cards to subscribers there is now published in each issue of the Hydro bulletin a list of devices approved and listed during the preceding month.

Meter and Standards Laboratory

An active year has been enjoyed in all phases of the work of this laboratory. While a close co-operation has been maintained between this and other sections of the department upon problems of a general nature, there has been a notable increase in the volume of work handled by the Meter laboratory alone. Several of the more important investigations and tests referred to in previous reports have been continued into the current year, and either brought to completion or placed on a practical working basis pending further studies. There has continued an uninterrupted flow of work on instruments, meters and kindred apparatus, not only for the Laboratories and other departments of the Commission's organization, but for Hydro municipalities and outside parties. Very little new equipment has been found necessary, and only minor alterations have been required upon that already in use. A few of the outstanding features of the year's work are noted below:

Standard and Portable Instruments

A careful supervision has been maintained over the accuracy of the measuring instruments used in the Laboratories, and of the secondary and primary standards against which these are checked. Repairs have been effected upon such instruments as have been damaged in use, and the portable and other equipment kept up to a high standard of service. In such work as acceptance tests upon large power units special care has been taken in calibration, and the

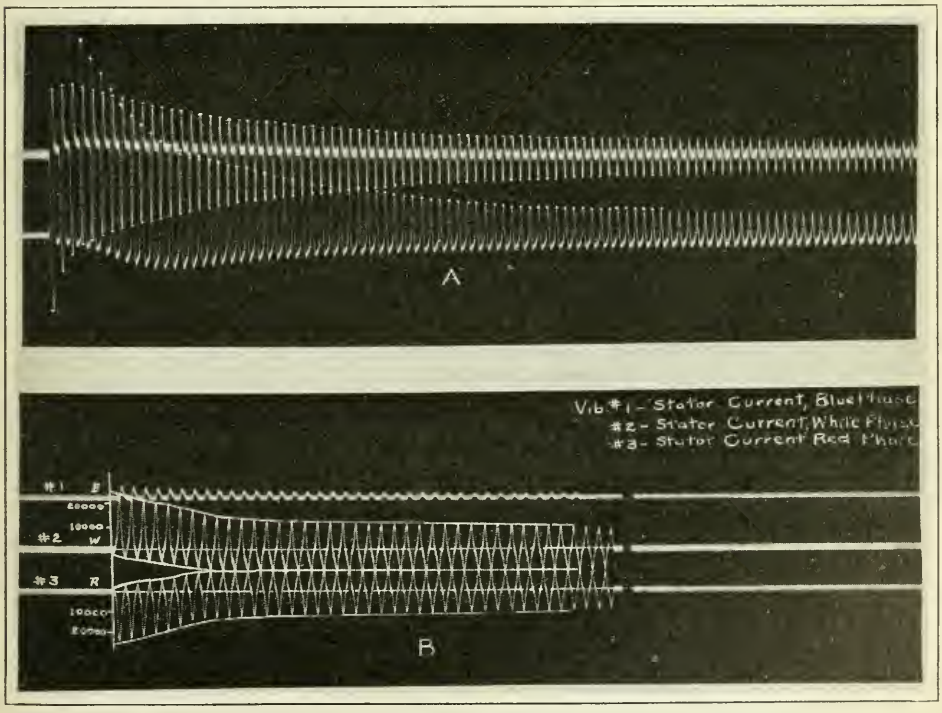
instruments used in these tests repeatedly checked and inter-checked before, during and after the actual trials. A recently acquired portable "Hand Tachograph", or curve-drawing speed-indicator has proved of great value in conducting tests on various generators and motors.

Commercial Tests

In addition to the routine checking and upkeep of the Laboratory measuring instruments, the facilities of this section have been fully utilized by manufacturers and utilities outside the Commission proper. Newly purchased instruments have been submitted by their owners for examination and calibration before being placed in service; and several lots of second-hand measuring equipment acquired by outside parties have been placed in the hands of the Laboratories for rebuilding and adjustment. Manufacturers and others have taken advantage of the facilities of the laboratory to have their instruments checked and adjusted for routine or special tests.

Oscillographic Studies

Several important oscillographic tests have been made, two of them being continuations of work described in the previous Annual Report. The short-circuit tests on the Queenston generating units have been carried on as required, these generally being performed with two oscillographs in circuit, so as to obtain records of the maximum number of transient phenomena. The information thus obtained has been of inestimable value in determining the characteristics of these machines. The oscillograph was also used in connection with a series of investigations carried out by the Hydraulic department upon the performance



TYPICAL OSCILLOGRAPH RECORDS

A. Transient conditions of current and voltage upon first switching a large transformer into circuit

B. Rush of current in a single-phase short circuit on a large alternator

of the turbines and their governors, and a large number of interesting films obtained, depicting governor action under varying load conditions.

Two oscillographic studies have been made by the Laboratories for the engineers of other interests. One of these consisted in an investigation of the performance of an automatic substation for street railway power supply, with particular attention to the performance of the quick-acting circuit-breakers. The other was of a very different nature, being a test made for a manufacturer of radio equipment, leading to improvements in the design of his transmitting apparatus.

There has been added to the Laboratory equipment a recently developed type of cathode ray oscillograph, which can be operated with a minimum of accessories, and which will function on very small amounts of energy. While there has not as yet been an opportunity to make use of this in field testing, it promises to prove of value in the study of sustained phenomena, such as wave distortions; while within the laboratory there are many tests upon which it will prove of great assistance.

Inductive Co-ordination

With the co-operation of the engineers of one of the communication companies, it has been possible to gather a mass of material relative to the inductive co-ordination of power and communication circuits. By using an amplifying device to bring the weak effects induced in the exposed lines to a magnitude suitable for oscillograph operation, records were made showing graphically the exact nature of the conditions existing in the circuits, thus furnishing very definite data upon which to base studies of inductive effects.

Watt-hour Meters, etc.

While the work carried out in the handling of watt-hour meters remains in its nature practically unchanged from that described in previous Reports, there has been a notable increase in the volume passing through the laboratory. This may be traced partly to the work connected with the distribution systems of the Toronto and Niagara Power interests, and the allied radial railway systems, as well as to the rapidly expanding rural power developments, which are at present practically all billed on a watt-hour basis. The midsummer lull, usually evident in meter work, was hardly noticeable this year, as meters for repair, Government inspection and second-hand stock have kept the test boards full at all times.

Routine Tests

Routine inspection has been performed upon a large number of street-lighting relays built by the Commission's shops for service in towns and small cities; and repairs have been made on time switches and similar mechanisms sent in from time to time by the municipalities.

Investigations of New Meter Types

There have been investigated two new types of demand attachments for watt-hour meters. These do not embody any radically new principles, but take the form of compact mechanisms designed to replace the registers on standard types of meters, giving an indication of maximum demand as well as of energy consumption. In these devices the time period is established by means of a small constant-speed induction motor, which is simpler than a timepiece equipped with the usual type of escapement. Several new types of watt-hour meters have made their appearance, the general tendency seeming to be toward increased overload capacity, correction of temperature errors and lower cost of production.

In addition to the above meter types there have been examined some new types of insulation testers, low resistance cable testers and station and portable instruments.

Instrument Shop

Much of the time of the Instrument shop has been taken up in the routine processes connected with the preparation of test pieces for the Structural Materials laboratory. Most of these specimens require the most accurate machining, and the chips or shavings must frequently be preserved for subsequent chemical tests. The usual amount of work has been done in connection with the upkeep of the laboratory apparatus, and development has been carried out on a number of pieces of experimental equipment required for special investigations.

Photometric Laboratory

The principal work of this section of the Laboratories is to make the necessary tests and inspections of lamps manufactured for the Commission to determine their acceptability under the Commission's specifications and to keep their quality up to as high a standard as possible. This work is mostly of a routine nature and is systematized so as to involve the least amount of labour.

Inspection of "Hydro" lamps

During the past year the number of lamps purchased by the Commission has been considerably in excess of that of any previous year. Consequently, the life test facilities of the laboratory have been taxed to their utmost to accommodate the volume of work handled. During the season it became necessary to redistribute the power supplied for life test purposes so as to increase the total load on the cables supplying the life test apparatus.

The amount of life testing done for parties outside the Commission is a small proportion of the total amount of life testing completed.

Two types of lamps have been added to the lines regularly handled by the Commission. These are the mill type in 25 and 50 watt sizes and a range of vacuum lamps for street railway service. The design of these lamps was based upon data obtained from tests at the laboratory.

Switchboard Signal Lamps

Life tests of switchboard signal lamps were made during the year in addition to tests of regular standardized types.

Design of Lighting Installations

A few lighting installations were planned for engineering and municipal departments.

Illumination Surveys

The importance of the proper selection of lighting units is indicated by the results of two illumination surveys, one in an educational institution and the other in a large office building. The selection of units in both cases was based on the results of the tests.

Commercial Tests

Laboratory tests were made, for manufacturers, on new types of globes and reflectors.

Tests on Glassware

Tests have revealed the superior qualities of some new types of glass that are made into enclosing globes. These newer glasses produce practically perfect diffusion with a surprisingly high efficiency and without excessive weight.

An experiment was made to determine the relative properties of prismatic window glass and adjustable louvers for reducing glare resulting from skylight entering windows. It was found that prismatic glass can be utilized to direct a large percentage of skylight to the lower or to the upper part of a room with a resultant decrease of glare but that the most complete control can be secured with louvers.

Automobi'e Headlamps

The laboratory has conducted the tests of automobile headlight devices for the Department of Provincial Highways of Ontario.

In addition to this a number of tests have been made for outside parties on new designs for glare-reducing headlights. It is interesting to note that none of the devices of radically different design from those in use at the present have proved successful.

Engineering Materials Laboratory

Previous reports have described the scope of the work of this section of the Laboratories so that it need not be further described here.

Inspection

With the increased constructional activity due to the extensions at Queenston and at Cameron Falls, Nipigon, and the new developments at Dam 8 on the Trent river and Bingham Chute on the Nipissing river, there has been a marked increase in the demand for inspection. This has included the structural steel for three power houses, four penstocks, several hundred transmission towers, a large highway bridge and much miscellaneous work of lesser magnitude. In addition, all the principal castings, both iron and steel, for all generators and turbines have been subject to rigid inspection and the progress of all work followed through the shops.

Research on Concrete

Continued study is being given to the problems of concrete and while no such active research is now in progress as was carried out during the years when the Queenston-Chippawa development was under construction, yet because of the Commission's large investment in concrete structures the safety of that investment requires consideration of many problems relating to concrete. The large amount of data already obtained through past experimental investigations was carefully reviewed during the year, reanalyzed in many cases, and an attempt made to appraise our present knowledge of the properties and performance of concrete. As a result of this it was found that certain important information was lacking which would be of great economic value to the Commission. Accordingly, a small programme of investigations in concrete and concrete materials, to be carried out over a period of years, was developed to supply this information. This programme is now under consideration.

Chemical Laboratory

The Chemical laboratory, because of its special knowledge gained through the chemical examination of different materials, is asked to carry out investigations not strictly in the province of chemical research. An interesting case of this has been the experiments in spray painting of transmission towers made

during the past summer. Several towers were painted with different paints both by brushing and by spraying using compressed air and the results and costs compared. The tests proved the practicability of spray painting for this class of structure, but pending the completion of the work the results cannot be discussed in any detail.

Paint Tests

As in former years the subject of paints and their application has been given much study. After a careful review of the Commission's practice, it has been possible to standardize the colours to be used on the work of the Commission to twenty-four, applicable to the work of all departments. This will greatly simplify both the testing and purchasing of paints and will promote uniformity in the appearance of structure, equipment and rolling stock.

Lubricating Oils and Greases

Lubricating oils have also received detailed attention. Specifications for several classes of oil and greases have been prepared or are now in preparation, and it is hoped that during the coming year the purchase of lubricating oils can be placed on a specification basis.

Specifications for Waste

When preparing specifications for oil for railroad use it became evident that if a specification for car or journal oil was to result in any benefit, a specification for journal packing waste must also be developed, and studies to this end were undertaken. Substantial progress has been made and a tentative specification developed. The adoption of a standard specification for wool waste must await the confirmation of the Laboratories studies by experience with these wastes in operation.

Photographic and Blue Printing Branch

The work of this department has been mostly along the regular lines of commercial work, i.e., outside and inside views, lantern slides, copies of all sorts, enlargements of various sizes, printing and mounting both by the dry press process and on cloth-covered stretchers. Progress photos were taken monthly at the Queenston development, trips were also taken to East Hamilton outdoor station, and over Toronto Suburban electric railways to show snow conditions. One of the outstanding jobs of the year was the making up of identification cards for the male employees, some 1,750 in all. This was arranged in several different ways: the local members in Toronto, Hamilton and Niagara Falls were photographed by this branch, those in other centres were photographed by local photographers and the negatives sent into the laboratory for finishing, while those at the more remote places were taken by the employees themselves with hand cameras and sent in for finishing. Considerable work was also done for the Engineering departments in the finishing of pictures made in the field and sent in for development.

The Blue Printing branch, while equipped with only one printing and one drying machine and being so remote from the head office as to require a special messenger, was able to take care of about twenty-five per cent of the total blue printing, 1,575 orders of various sizes having been completed.

ELECTRICAL INSPECTION

In the Fifteenth Annual Report references were made to several aspects of the work performed by the Electrical Inspection Department. The work of this department increases with the growth of the Commission's operations. Every new municipality connected, even every new customer, adds something to the department's responsibilities. In the thirty-two inspection districts into which the Province is divided, there were, in the year ended October 31, 1922, over 90,000 applications received for permits for work to be done, and over 180,000 inspections were made.

Although the volume of work handled by the Inspection department increases each year, its character remains substantially the same. It is, therefore, unnecessary to refer each year to matters previously dealt with, unless there is some special feature to record. In last year's Annual Report reference was made to the inspection work entailed in connection with defective installations, with the increase in the number of electric cooking ranges installed, and with the extension of the Commission's lines into rural districts. Reference was also made to the very small number of fires and accidents in the Province due to the use of electricity; to the work of the committee on Rules and Regulations and to "electrical homes."

Rules and Regulations

A revision of the Commission's "Rules and Regulations for Inside Electrical Installations" has been prepared by a small sub-committee of the Rules and Regulations committee and it is expected that a new and revised edition of the book will be published early in 1924. This work is being carried out in a thorough manner so as to bring the whole of the rules up to date and in line (so far as Ontario conditions render it desirable to do so) with the provisions of the new (1923) edition of the "National Electrical Code."

One or two matters which bear some relation to the work of the Inspection department may be worth recording here.

Licensing of Electrical Contractors and Workers

During 1923, representatives of the Electrical Workers' unions and the Contractors' association were successful in inducing the Toronto city council to pass a by-law, relating to the licensing of electrical contractors and workers, which is to become operative at the beginning of next year. It is hoped by those who sponsored the by-law that its effect will be to raise the standard of workmanship in electrical installations by ensuring a good knowledge of electrical work on the part of those undertaking it. A member of the staff of the Electrical Inspection department is a member of the Board of Examiners appointed under the provisions of this by-law.

Electrical Homes

In last year's Annual Report mention was made of an "electrical home" which was equipped in Toronto to demonstrate the practical requirements and to indicate to the public an ideal way in which houses should be wired. Actually, two electrical homes were so equipped in Toronto, this work being carried out by an organization formed early in 1922 for that specific purpose, bearing the name "Electric Home League." In 1923 the name was changed to "Electric Service League" to enable the scope of its activities to be widened, and its Board of Directors, which includes a member of the Commission's staff as well as a member of the Toronto Hydro-Electric System, was enlarged.

SECTION VIII

ELECTRIC RAILWAYS

ESSEX DISTRICT RAILWAYS

Way and Structures

The rehabilitation of the entire system was proceeded with. The more important improvements were as follows:

On Sandwich street east between Goyeau and Victoria roads the double track which existed on the northerly side of the street was replaced with a single track and two passing sidings. Block signals were installed. The new construction consisted of 85-lb., C.P.R.-section, relay rail laid in open construction on ties, fully tie-plated throughout, in crushed-stone ballast, located to the north of a 6-inch concrete curb. This construction eliminated a dangerous condition and has very materially improved the operating conditions. The entire deck and the track approaches on Peabody's bridge were removed and replaced by heavier construction, and a guard rail was installed on the approaches. From Peabody's bridge to Strabane avenue a new single track was constructed using 80-lb. A.S.C.E. rail with twin steel ties laid in concrete. On Sandwich street east, from Maisonville avenue easterly to Strabane avenue, the track was moved from the north side of the street to the centre, very materially improving conditions over this section. A new diamond was inserted by the Canadian National Railways on Sandwich street between Belle Isle and Cadillac streets for an industrial siding serving the Ford Motor Company.

On the Tecumseh division at Stop 17 an industrial siding was installed for the town of Riverside, using 56-lb. rail laid on treated ties with tie plates, lined and surfaced on crushed-stone ballast. On the Tecumseh division at Stop 27 a new passing siding was installed, using 56-lb. relay rail, creosoted ties, and tie plates, lined and surfaced on crushed-stone ballast. With the exception of that portion of the railway situated within the town limits of Riverside the entire Tecumseh division is now rock ballasted and, with the completion of bonding and other improvements, the line is now in first-class operating condition. A standard shelter was erected at Little River.

New double-track construction was started on Erie street, Parent avenue and Ottawa street and with the exception of that portion laid on Parent avenue the construction consists of 80-lb., A.S.C.E.-section rail, 60 feet long, laid on steel ties imbedded in concrete, with trap-rock wearing surface. The section on Parent avenue was laid, excepting intersecting street crossings, with 80-lb., A.S.C.E.-section rail, 60 feet long, on creosoted ties with tie plates, and crushed-stone ballast.

On Wyandotte street, Walkerville, new steel poles of joint ownership were erected, on which lighting brackets were installed by the town of Walkerville.

On the Amherstburg division several miles of crushed-stone ballast were placed and a large number of old ties were replaced by treated ties with tie plates. Practically the entire division was covered through lifting and surfacing operations. A new section tool house was erected at Amherstburg.

Equipment

An additional express car was placed in service early in the year and as traffic continued to increase it was found necessary in the autumn to secure an extra car.

Four new double-truck safety cars ordered during the preceding year were placed in service during the summer. This type of car has proved very satisfactory, especially for handling the "peaks" caused by the arrival of the ferry at Windsor. The urban municipalities served by the railway are developing very rapidly, causing a corresponding increase in traffic, and the double-truck car is now required for a considerable portion of the day. Special men have been detailed at heavy loading points to assist the single operator on these cars and the flexible control of the doors of the car permits the collection of fares at two positions, thus assisting in cutting down dead time at heavy loading points. The layout of these cars with their wider aisles and larger vestibules follows the latest approved standards. The additional motor capacity and strength that have been provided in the car body have been amply justified, and experience has shown that the Commission was well advised in not adopting the extreme, small-motor, light-weight car.

The Commission has endeavoured to make such improvements and repairs to the old rolling stock as are justified in order to obtain the full life of this equipment. The Commission has called for tenders on eight additional double-truck safety cars, very similar to those placed in service during the past summer. Automatic couplers and multiple-unit type of control will be provided, as well as the standard safety air-brake equipment, which should make these cars more flexible for the traffic demands. Special attention is also being paid to the control of the doors, with the idea of still further decreasing the time required for loading and unloading.

Operation

The Commission is pleased to report that the rehabilitation of the Essex division has been practically completed. Other anticipated improvements are under way, and the result of the last year's operation shows quite clearly that the revenue estimated by the Commission has been exceeded, while the cost of operation has been slightly less than that anticipated.

The population in the districts served by the railway has steadily increased for a number of years past. The increase in Windsor, which may be taken as representative, is as follows:

1919	7.79 per cent
1920	14.90 " "
1921	3.66 " "
1922	8.53 " "
1923	12.00 " "

The city of Windsor has 73 miles of street paving and 24 miles of alley pavement, with approximately 82 miles each of sewer and of water mains. Building permits for the last five years have averaged more than 1,200 per year.

The population to the acre—15.99—is exceeded only by Toronto with 26.08 and Ottawa with 22.14, Hamilton being fourth with 15.42. The population has grown until the Border Cities now have a population of practically 92,000 people.

It was anticipated that the Ford Motor Company, on the completion of the reconstruction and enlargement of its factory, would employ about 7,000 men. This anticipated total has not as yet been reached. The factory is practically completed, and the company expects to increase substantially the number of its employees during the fall of 1924.

It will be noted from the accompanying graph that the revenue continues to increase yearly at a very satisfactory rate, and that the operating expenses have decreased in proportion to the car mileage operated. The graph indicates that many of the conditions existing at the time the railway was taken over have been changed and that the railway line, in general, shows a very healthy growth. A number of sidings have been constructed into industries situated in proximity to the lines, and this has resulted in the freight revenue increasing from approximately $6,000 per year in 1919 to $50,570 for the year ending October 31, 1923. The gross revenue in 1919 was $377,000, while in 1923 it had grown to $688,416.

The Commission estimated that the reconstruction would be practically completed in 1922, and while the statement for that year showed a deficit of $4,385, it is very gratifying to note that there is a surplus of $34,463 for the year ending October 31, 1923, which is being held in reserve for depreciation. The operating expenses for the year averaged 27.406 cents per car-mile operated, notwithstanding the fact that a large sum was spent in rebuilding old equipment and charged to operation.

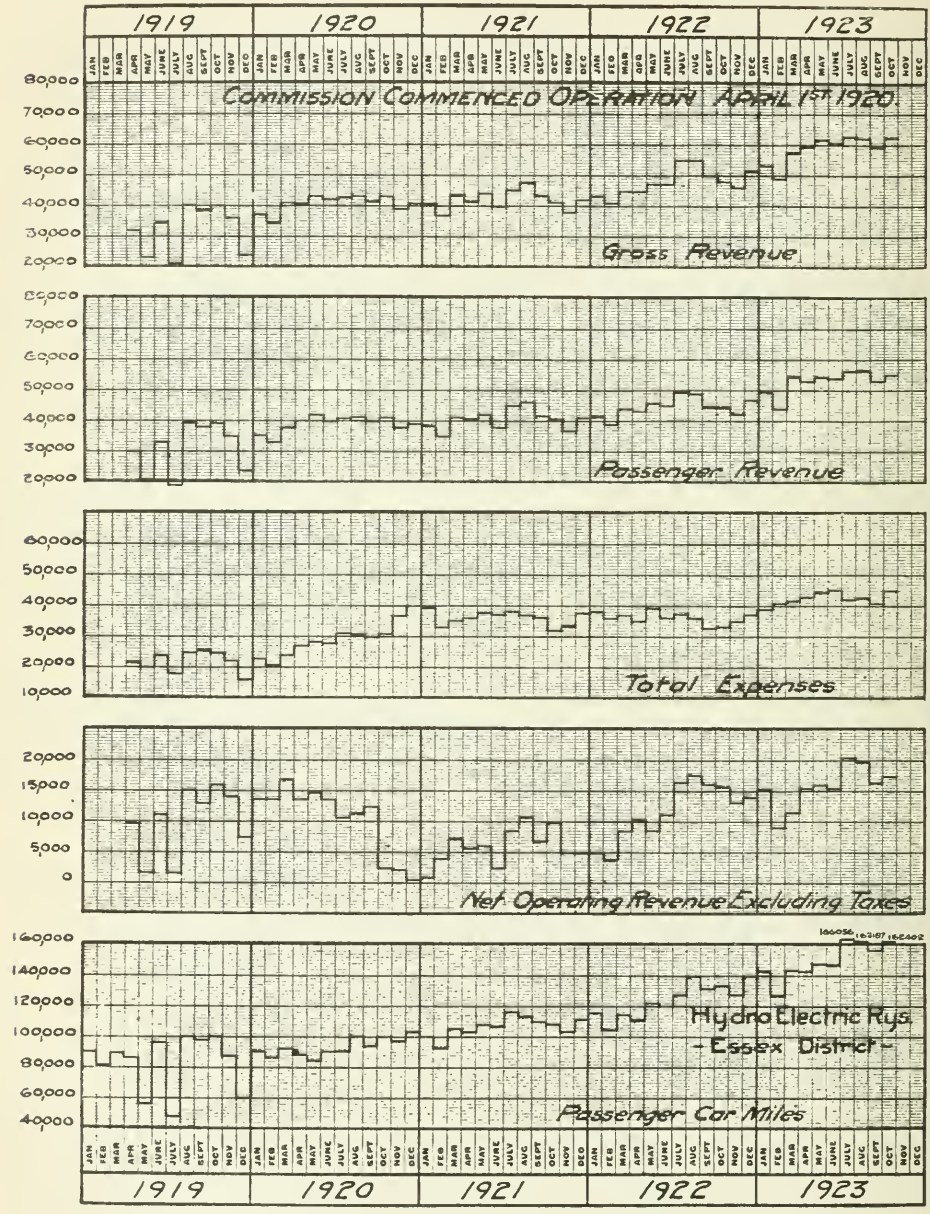
Automatic block signals have been installed on the Tecumseh division on Sandwich street between Ouellette avenue and Victoria road in Walkerville. This protection will, in the early spring, be further extended to the Ford City limits, a distance of about two miles.

The trackless-trolley line on Erie avenue and Ottawa street has been discontinued and is being replaced by a double-track railway line in order to take care of this rapidly growing section. (Since this work has been completed the revenue that was secured by the trackless trolleys, which amounted to approximately $750 a month, has grown to approximately $9,500 a month.)

The operation of one-man cars in this section has been satisfactory. The contention that the operation of one-man cars results in more accidents than two-man operation has been disproven by the records of two years' operation. For the year ending October 31, 1923, the one-man safety cars were operated a total of 759,341 car-miles, and the accidents amounted to 26.47 per 100,000 car-miles, the cost of which was 0.47 cents per car-mile. The single-truck two-man cars were operated a total of 355,852 car-miles, and notwithstanding the fact that they operate in a less congested district (being used only on the outskirts) the accidents, per 100,000 car-miles, were 22.76, the cost of accidents amounting to 0.503 cents per car-mile. The trackless trolleys, operating 82,053 car-miles, were responsible for 17.06 accidents per 100,000 car-miles, the cost being 0.395 cents per car-mile. This is also one-man operation. The total accidents were 20.59 per 100,000 car-miles and the cost was 0.416 cents per car-mile.

ESSEX DISTRICT RAILWAYS

Operating Statistics



Notes: 1919—May and July, strikes. December, power interruption.
1921—Fare increased from 6 for 25 cents to 5 cents straight, effective July 1.
1922—Fare increased to 6 cents cash, 20 tickets for $1.

Records for 13 railway companies in the United States, operating 18,022,899 one-man car-miles, show 38.01 accidents per 100,000 car-miles, while the two-man cars operating, under like conditions, 13,868,097 car-miles, were responsible for 57.55 accidents per 100,000 car-miles.

New equipment is being ordered to provide for the increased passenger traffic which is now growing at the rate of about 110,000 or 120,000 passengers per month.

The car-miles operated in 1919 (the year before the Commission took over the line) were approximately 1,000,000. The mileage for the year ending October 31, 1923, is approximately 1,800,000.

The following operating statistics are interesting and explain themselves:

ESSEX DISTRICT RAILWAYS

Operating Statistics

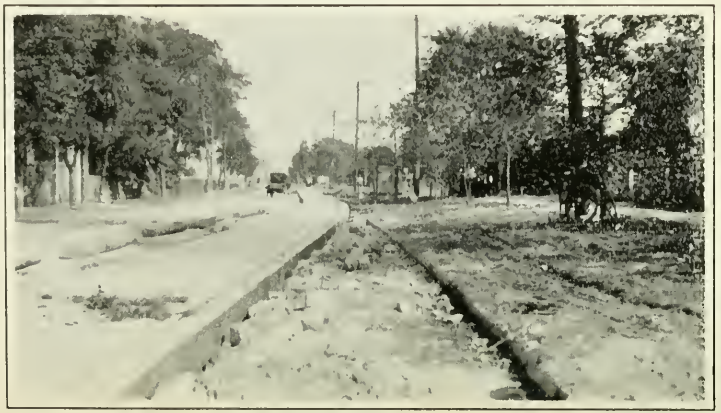
Route-miles:		
City trolley	15.11	
City trollibus	5.01	
Amherstburg interurban	13.54	
Tecumseh interurban	6.11	
Total route-miles		39.77
Passenger and freight car-miles operated		1,825,171
Passenger and freight car-hours operated		217,486
Average number of employees		200
Accidents		375
Passengers carried		12,318,236
Percentage of transfer passengers to revenue passengers		14.7
Passenger cars operated		55
Passengers carried per route-mile		309,736
Passengers carried per car-mile		6.9
Passengers carried per car-hour		58.8
Average mileage per car operated		32,232
Average passengers per car operated		223,968
Average riding (revenue) habit		137.7
Freight tonnage carried		19,989

COMPARATIVE FIGURES SHOWING GROWTH

Year	1920-21	1921-22	Percentage of 1920-21	1922-23	Percentage of 1920-21
	$ c.	$ c.	%	$ c.	%
Passenger earnings	488,185.92	526,982.29	107.8	625,601.43	128.1
Freight earnings	9,883.36	19,470.44	197.0	50,570.37	511.6
Miscellaneous earnings	7,757.56	10,339.95	133.2	12,244.98	157.8
Gross earnings	505,826.84	556,792.68	110.1	688,416.78	136.5
Operating expenses	426,604.43	436,910.98	102.4	500,202.26	117.2
Net earnings	79,222.41	119,881.70	151.3	188,214.52	237.5

HYDRO-ELECTRIC RAILWAYS

Joint Terminal at North Toronto of the Metropolitan Division of the Toronto and York Radial Railways and the Toronto Transportation Commission



Sandwich Street, Ford, September 25, 1923

Tecumseh Section, November 16, 1922

ESSEX DISTRICT RAILWAYS

GUELPH DISTRICT RAILWAYS

Way and Structures

The city of Guelph granted authority to completely revise the track work surrounding St. George's square by cutting through the middle of the square and constructing concrete platforms to facilitate the loading and unloading of passengers.

The stub siding on Elora road near Clark street was made a through siding; and a new siding was constructed on York road to facilitate operation.

Other minor changes included the replacement of a wooden culvert by a concrete culvert on Suffolk street and revision of tracks serving the Guelph Carpet Company.

An order of the Board of Railway Commissioners was issued covering the installation of an electrically-operated interlocking plant at the crossing of the Guelph Radial Railway by the Canadian Pacific Railway on Elora road to replace existing half-interlocked plant. This work has not yet been performed.

Equipment

During the current year extra heaters were installed in the new safety cars to make them more comfortable for the extreme weather conditions that obtain in Guelph. Other minor changes have been made in the equipment which now appears to meet the traffic conditions much more economically than the old double-truck car equipment which it replaced.

When the Commission prepared its first report on the Guelph street railway, some four years ago, there was a scarcity of rolling stock and the second-hand value of cars was, therefore, at a peak. There were delays in transferring the street railway to the Commission and still further delay on the part of the manufacturing companies in filling the Commission's order for the new safety cars. After these were delivered it was found that there was practically no market for the old double-truck cars. They were carefully gone over and the Commission is now transferring this equipment to one of its other lines where the bodies will be rehabilitated and new trucks, motors, etc., supplied.

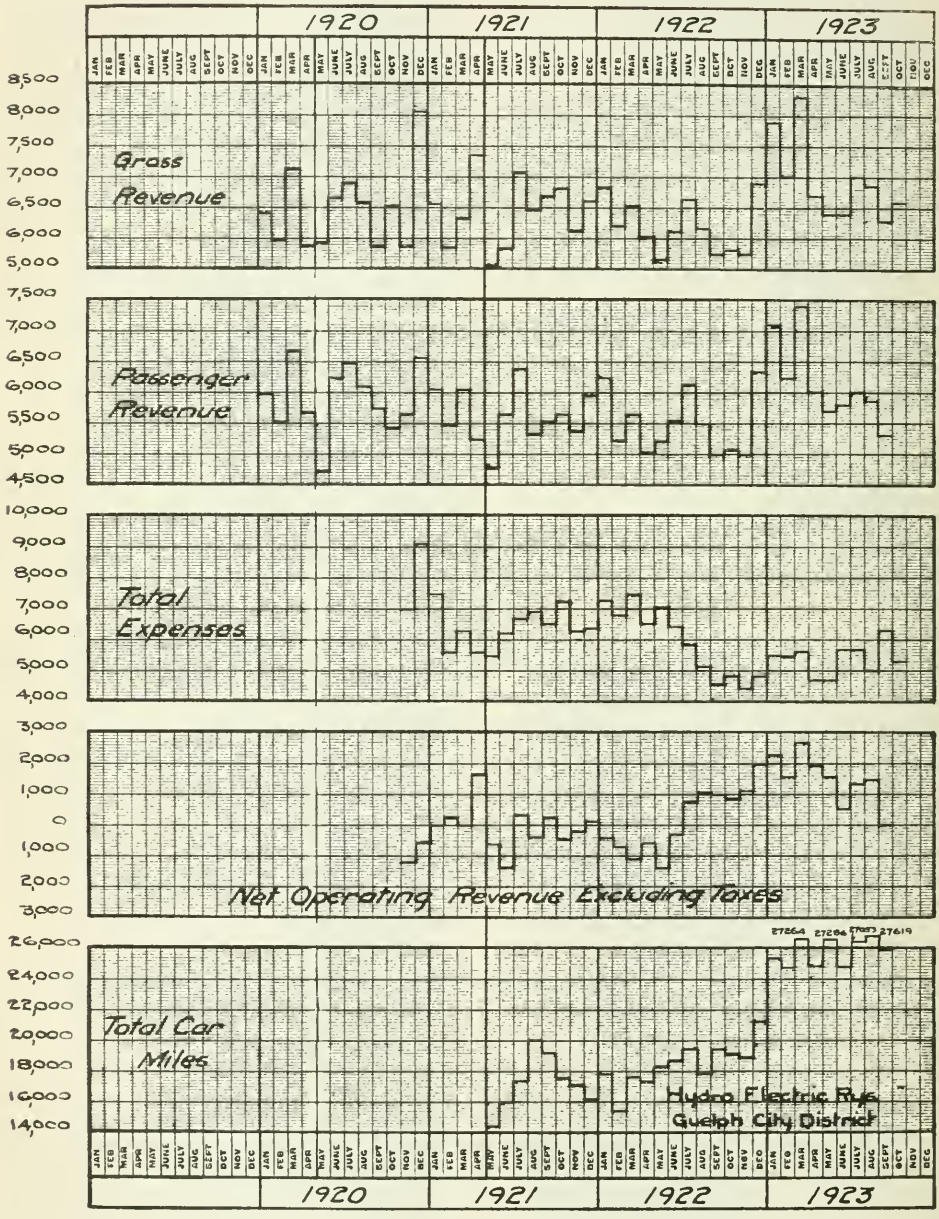
Operation

The rehabilitation of the Guelph District Railways was completed during the year, with the exception of a portion of the track on the York road line from Carden street to Waterloo street through the Canadian National subway, and the line is now operating with very few delays and is giving a regular service.

The monthly car-mileage has increased from approximately 14,000 to 27,600 car-miles. The one-man car operation has proved very successful and has decreased the cost of operation, as a glance at the accompanying chart will show. The operating expenses have decreased, notwithstanding the fact that there has been a very heavy increase in car-mileage. The industrial conditions in Guelph have been such, for the past year, that the revenue shows a very slight increase. The closing of the summer term of the Agricultural College, and the absence of excursions from various points in Ontario during the summer months, decreased the revenue to a certain extent.

GUELPH DISTRICT RAILWAYS

Operating Statistics



Note: Operation by Hydro-Electric Power Commission commenced on May 1, 1921

The net deficit for the year, payable by the city of Guelph, amounted to $12,982.12 as compared with $22,911.51 for the previous year, notwithstanding the fact that the interest charges increased on account of the additional capital expended. In addition to the above, $1,264.16 was set aside as a provision for unredeemed tickets. The value of one of the car barns, amounting to approximately $600, was written off capital, the barn having been destroyed by a wind-storm, and $256.30 was written off the valuation and other expenses in connection with the purchase of the line by the Commission. The accidents on the line amounted to 80 in number, most of which were of a minor character.

The following operating statistics will prove interesting:

GUELPH DISTRICT RAILWAYS

Operating Statistics

Route-miles	8.49
Passenger and freight car-miles operated	300,577
Passenger and freight car-hours operated	37,503
Average number of employees	28
Accidents	80
Passengers carried	1,521,171
Percentage of transfer passengers to revenue passengers	14
Passenger cars operated	7
Passengers carried per route-mile	156,237
Passengers carried per car-mile	4.4
Passengers carried per car-hour	37.5
Average mileage per car operated	42,931
Average passengers per car operated	189,495
Average riding (revenue) habit	72.1

TORONTO AND YORK DISTRICT RAILWAYS

Way and Structures

Metropolitan Division: Formal operation of the Toronto and York Radial Railway was assumed by the Commission on November 1, 1922, on behalf of the city of Toronto. The tracks of this division from the north city limits south on Yonge street to St. Clair avenue were removed and a new joint terminal with the Toronto Transportation Commission was constructed on the east side of Yonge street at the city limits.

A combined car barn and freight shed, joint passenger station, shelter and platform, oil shed and yard trackage were constructed in lieu of the terminal formerly operated at the corner of St. Clair avenue and Yonge street. The property for the new terminal was acquired and the layout of passenger tracks, platform and shelter was made in collaboration with the Toronto Transportation Commission which makes joint use of the facilities provided.

Owing to the construction of permanent pavement by the Department of Public Highways it was necessary to remove the sidings at Bayles, Finches, Morgans and Thornhill and to replace them to the east of the existing main line. New passing sidings were constructed at York Mills, Deans Gate, Garden avenue, Orange Lodge and Bassetts with 80-lb., A.S.C.E. rail, laid on creosoted ties with tie plates. The siding at Bassetts necessitated the erection of two small steel girder bridges. Industrial sidings were constructed at Willowdale for the Lake Simcoe Ice Company and at Westwood Lane, Wilcox Lake and Richmond Hill for the Warren Bituminous Company. A new pile trestle was constructed across the Maskinonge river replacing the old structure. Other work included the installation of new paved crossings from the west to the east side of

Yonge street at the Mausoleum; the replacement of heavy steel from the Mausoleum crossing to the north end of Bayles siding; the lifting and resurfacing of two miles of track south of Thornhill; the removal of a girder bridge on the north branch of the Don river at Thornhill, its replacement by a concrete arch and the resurfacing and lifting of track through Thornhill hollow; the replacing of one and one-half miles of 60-lb. steel with 80-lb., A.S.C.E. rail from Bond Lake south; the realigning of track at the north and south end of Bond Lake tracks to conform to the Department of Public Highways' requirements and the placing of steel tie plates on all treated ties installed in track. A number of other minor changes and additions were made, such as the extension of culverts, the erection of signs, the re-location of stops, and the erection of a standard shelter at Thornhill to conform to the improved standards of the railway. A small timber bridge situated on the Schomberg section at mile 6.8 collapsed and was replaced by a four-foot concrete pipe and fill.

A combined lavatory and activated sewage disposal plant was constructed at Bond Lake park. A new feeder was erected extending from York Mills to Bond Lake to improve power conditions on the line. The installation of new sidings, the improved track conditions, and the system of block signals which it is proposed to install will materially improve operating conditions.

Scarboro Division: A number of changes were made in connection with the track work by shifting or altering the grade to conform to the Department of Public Highways' permanent pavement in the vicinity of old Stops 26, 27, 33 and 37.

A number of concrete culvert extensions were built, in connection with drainage crossing under the tracks of the railway, to replace those of timber construction which had outlived their usefulness.

Mimico Division: A new passing-siding 500 feet long was installed at old Stop 26 to improve operating conditions.

Equipment

Metropolitan Division: Upon transfer of the city terminal from Farnham avenue to the northerly boundary of the city at Stop 26, it was found necessary to purchase four freight motor trucks in order to take care of the additional haul between these two points and also to permit the older and smaller trucks to be used entirely on the lighter shipments. It was also found desirable to purchase two differential, dump cars and thirteen rebuilt, steel, flat cars for the efficient handling of material used in various building operations being conducted along the line of the railway.

The removal of the city terminal to the northerly city limits also involved the expense of moving the shop machinery and tools which were formerly located at St. Clair avenue barns. Some additional equipment, such as pit jacks, lockers, furniture and other tools, was also purchased at the same time.

The change in the terminal made it necessary, also, to install air compressors on some twenty cars, since it was no longer feasible to use the storage air system with the compressors located at St. Clair avenue barn. A small expenditure was also incurred to furnish classification and marker lights required for the new system of operation under train orders.

During the current year the power layout of the Metropolitan railway was improved by the installation of eight miles of six hundred-volt feeder cable extending southward from Bond Lake to give better voltage in the vicinity of Thornhill. Some spare motors and armatures were purchased in order to insure more reliable power. One of the existing motor-generator sets in Bond Lake

substation was transferred to Sedore where a new brick substation building had been constructed. This set was replaced by a 900-kv-a. synchronous, motor-generator set which has improved to a considerable degree the regulation of the power line. Plans are now being prepared for the closing of the Keswick sub-station which is located in an old steam-power plant. The equipment at Keswick will probably be removed southward to Ravenshoe in order to improve the trolley voltage on the Queensville grade and to give a better division of the load between Newmarket and Sutton.

Scarboro Division: Arrangements are now being made to transfer five double-truck, suburban-type street cars from the Guelph District Railways to the Scarboro division. These will be entirely overhauled before being placed in service and will be equipped with safety air-brake apparatus, pneumatically-operated doors and other modern features which should permit more efficient and satisfactory handling of the Scarboro traffic than is possible with the present worn-out cars.

Plans are also under way to re-locate the substation on this division nearer the centre of the line. This change should improve the trolley voltage at West Hill and give more reliable and efficient distribution of power. An attempt is being made to build a combined power and railway station which should result in more reliable service to the power customers and a saving in expenses to the railway.

Mimico Division: During the year a new substation has been erected at the west end of this division near Lakeview post office, the construction being carried out entirely by the railway operating department with equipment secured from the Niagara Power development, where it had been used during the construction period. The installation of this station should permit more efficient operation, due to better trolley voltage on the west end of the railway. Plans are being prepared for the removal of the present Humber station to a point closer to Mimico.

Orders have been given for the supply of four double-truck modern street cars provided with special equipment, such as pneumatically-operated door engines, etc., which will permit the cars to load and unload at the Toronto terminal with a minimum of delay. These cars may also be operated in trains up to three cars to handle excursion and peak-load business.

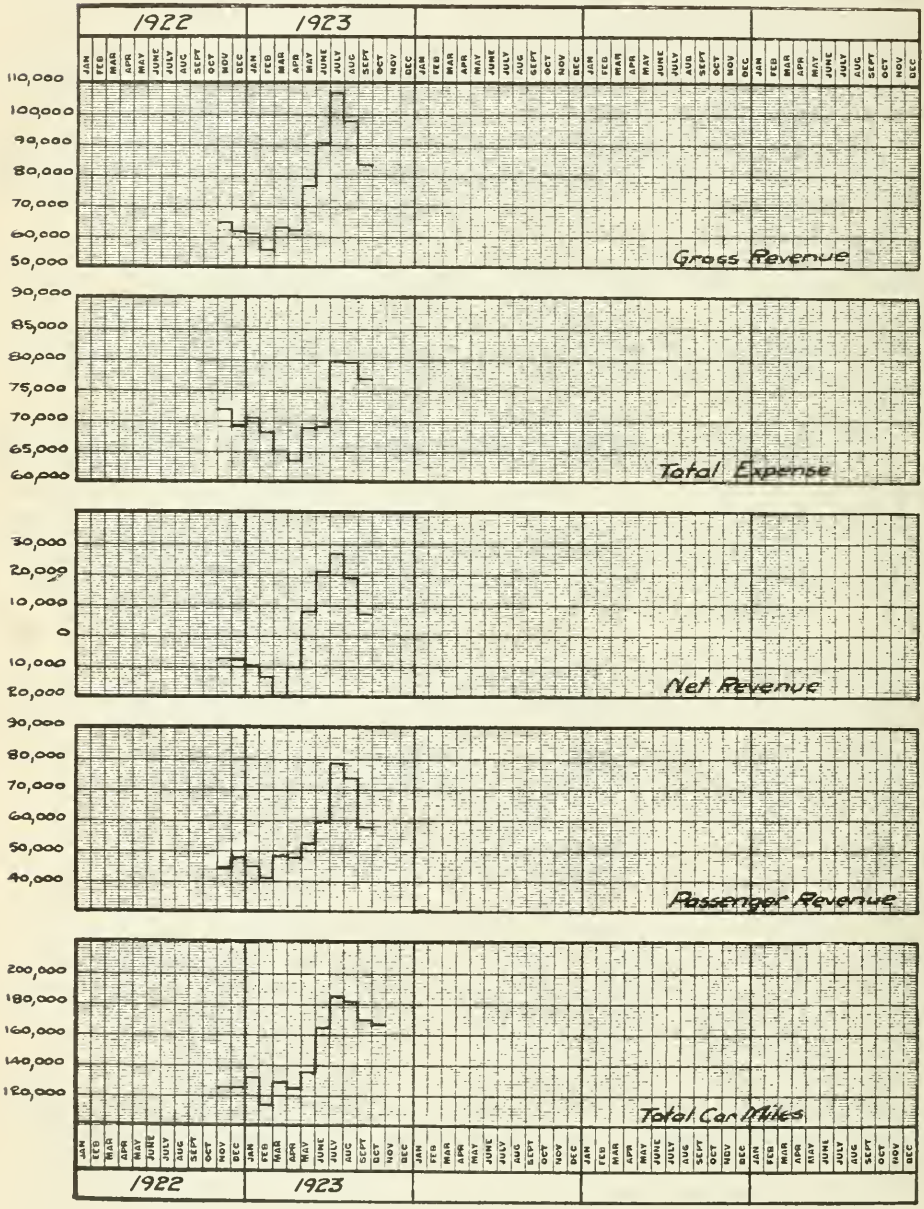
Operation

The Toronto and York Radial Railways have been operated by the Commission since November 1, 1922, but in connection with the operating statement it is not possible to present comparative results for previous years because the records which have been kept in the past included the revenue and the mileage of the local service which was operated in connection with the Metropolitan division from Farnham avenue to what was then known as Stop 26 and is now the new terminal for the interurban lines.

The operation of the system for the year ending October 31, 1923, shows a net deficit of $204,505.21. This deficit is accounted for by the loss of the revenue formerly received from the local line operation and the inability to decrease the operating expenses in the same ratio. The discontinuance of the local service occasioned a loss of six cents per passenger, being the amount of reduction in interurban fare which became effective with the change of terminal location which shortened the interurban journey. The gross revenue also shows a reduction on account of the transfer of the revenue received from the sale of power, from railway revenue account to that of the power department.

TORONTO AND YORK DISTRICT RAILWAYS

Operating Statistics



After a very careful investigation, the Commission has recommended a further capital expenditure of approximately $2,000,000 for the rehabilitation of the line and the purchase of new equipment. When these changes have been completed it is believed that these railways can be put on an operating basis that will take care of all necessary charges and permit of a certain amount being set aside for depreciation.

Metropolitan Division: During the past year improvements have been made in track and overhead equipment and also in power distribution, which permit a close adherence to the schedules. These improvements, in conjunction with the new system of train despatching which has eliminated considerable delay in the movement of cars and also has reduced the work required of the trainmen, will permit of the speeding up of the service as soon as new equipment is received. The present electrical equipment of the lines is in bad condition and costs considerably more to maintain than will the new modern type recommended. The Commission has installed block signals between the terminal at old Stop 26 and Morgans, which distance practically covers the local service. These signals prevent unnecessary delays at switches and constitute an additional safety feature. The additional new sidings which are being installed between Toronto and Newmarket will provide added facilities for the further increase of train operating speeds.

Scarboro Division: On the Scarboro division five cars formerly operated on the Guelph Radial Railway will be put into service in June. These cars have been entirely rebuilt and will be equipped with new motors and trucks of standard gauge. The door operation will be such as to permit of one-man or two-man operation and will tend to reduce the operating costs of this division.

Mimico Division: On the Mimico division, pending the determination of the policy and location of the terminal, very little work, other than maintenance, has been carried out. Formerly the Toronto and York Radial operated a 40-minute service to Port Credit and a 20-minute service to Etobicoke Creek. This has been changed to a 20-minute service to Port Credit and a 10-minute service to Etobicoke, but with the present location of sidings and turnouts there are too many delays. However, with the increased power facilities, which have been taken care of, and the proposed track changes, which the Commission purposes making at an early date, it is believed that this service can to a certain extent be speeded up. Four new double-truck, one-man, two-man cars are on order for this division and delivery is expected in May or June, 1924. When these cars are received it will be necessary to standardize the track gauge on this division.

The accompanying graph and operating statistics cover the result of the year's operations.

TORONTO AND YORK RADIAL RAILWAYS

Operating Statistics, 1923

Route Miles—1923

Metropolitan and Schomberg and Aurora division	63,100 miles
Scarboro division	8,349 "
Mimico division	8,620 "
TOTAL	80,069 "

Passengers carried—1922-1923

Metropolitan and Schomberg and Aurora division	1,969,800
Scarboro division	1,261,628
Mimico division	3,760,299
TOTAL	6,991,727

Accidents—1922-1923	Metropolitan division	Scarboro division	Mimico division
Passengers killed	0	0	0
Passengers injured	16	8	8
Employees killed	0	0	0
Employees injured	7	3	1
Others killed	0	0	0
Others injured	9	1	4
Collision of cars	3	0	2
Derailments	2	1	3
Passengers hurt boarding cars	1	1	0
Passengers hurt alighting from cars	13	4	5
Vehicles and animals struck	15	1	2
Automobiles struck	36	14	30
Pedestrians hit by car	2	1	4
Passengers falling from cars	0	0	0
Passengers hurt while on cars	1	1	1
Miscellaneous accident and occurrences (including track and shop dept.)	25	8	10
TOTAL	98	31	57

Passenger Car-Miles Operated

Metropolitan and Schomberg and Aurora division	723,553
Scarboro division	331,750
Mimico division	588,982
TOTAL	1,644,285

Passengers Carried per Car-Mile

Metropolitan and Schomberg and Aurora division	2.72
Scarboro division	3.80
Mimico division	6.38

Passengers Carried per Route-Mile

Metropolitan and Schomberg and Aurora division	31,217
Scarboro division	151,111
Mimico division	436,229

Average Mileage per Car Operated

Metropolitan and Schomberg and Aurora division	38,081.736
Scarboro division	55,350.000
Mimico division	36,811.375

Average Passengers per Car Operated

Metropolitan and Schomberg and Aurora division	103,673.6
Scarboro division	210,271.3
Mimico division	235,018.7

Freight Tonnage Carried

Total freight	130,616 tons
Freight tonnage per car-mile	0.981 ton
Freight revenue per car-mile	$1.30
Freight revenue per route-mile	$2,735.47
Freight revenue per ton	$1.52

ELECTRIC RAILWAYS

FINANCIAL STATEMENTS

OF THE

ESSEX DISTRICT RAILWAYS

THE

GUELPH DISTRICT RAILWAYS

AND THE

TORONTO AND YORK DISTRICT RAILWAYS

SANDWICH, WINDSOR & AMHERSTBURG RAILWAY AND THE
Statement of Assets and

ASSETS

Road and equipment rights, franchises and goodwill of the Sandwich, Windsor & Amherstburg Railway and of the Windsor & Tecumseh Electric Railway Company		$3,118,956.69
Construction material on hand		54,542.05
Materials and spare equipment	$54,936.13	
Stationery, tickets and other supplies	3,691.86	
Accounts receivable	6,831.49	
Cash in bank	10,009.87	
		75,469.35
Detroit United Railway—In respect of bond interest accrued		1,575.00
Valuation and other expenses re purchase of plant assets and capital stock of these companies by the Hydro-Electric Power Commission of Ontario	$17,795.45	
Less four-tenths written off	7,118.18	
		10,677.27
Insurance unexpired		4,156.46
Expenses prepaid		3,127.69
		$3,268,504.51

SANDWICH, WINDSOR & AMHERSTBURG RAILWAY AND THE
Combined Operating Account for the

Transportation expenses	$223,582.41	
Maintenance—way and structures	51,576.69	
Maintenance—equipment	81,631.71	
Power	65,071.86	
General operating and management expenses (Windsor office)	31,952.18	
Proportion of administration and accounting expenses chargeable to the operation of the railway	15,755.98	
Taxes	3,247.75	
Insurance	28,851.89	
Written off valuation and other expenses re purchase by Hydro-Electric Power Commission of Ontario	1,779.54	
		$503,450.01
Bond interest (paid by the Detroit United Railways under agreement dated January 14, 1920)		.....
Interest on borrowings		60,682.76
Interest on debentures, $2,039,000.00, issued by the Hydro-Electric Power Commission of Ontario to cover the purchase price of the plant assets and capital stock of the railway company		91,755.00
Net surplus for the year, carried to appropriation account		34,463.51
		$690,351.28

Appropriation

DEBITS

Set aside as a reserve for renewal of road and equipment	$42,901.03
	$42,901.03

WINDSOR & TECUMSEH ELECTRIC RAILWAY COMPANY

Liabilities, October 31, 1923

LIABILITIES		
Capital Stock:		
Sandwich, Windsor & Amherstburg Railway—2,970 shares of par value of $100.00 each	$297,000.00	
Windsor & Tecumseh Electric Railway—1,000 shares of par value of $100.00 each	100,000.00	
General reserves	1,243,839.58	
		$1,640,839.58
Bonded Debt:		
Windsor & Tecumseh Electric Railway Co. first mortgage 5% gold bonds due September 2, 1927	$189,000.00	
Interest accrued to October 31, 1923	1,575.00	
		190,575.00
Hydro-Electric Power Commission of Ontario:		
In respect of the 4½% bonds due 1960 issued by the Commission for the purposes of the railway	$61,000.00	
In respect of the 6% bonds due 1961, issued by the Commission for the purposes of the railway	900,000.00	
	$961,000.00	
In respect of demand loan from the Bank of Montreal, obtained by the Commission, secured by the $966,205.00 5% bonds due 1943 issued by the Commission for the purposes of the railway	400,000.00	
	$1,361,000.00	
Less—A portion of the proceeds of loan, held, for the time being, by the Commission	49,964.94	
		1,311,035.06
Accounts payable and accrued charges	$13,415.61	
Deposits to cover cost of customers' sidings	25.00	
Provision for unredeemed tickets	7,807.70	
		21,248.31
Premium on Hydro-Electric Power Commission 6% bonds		62,818.75
Reserve for renewal of road and equipment		41,987.81
		$3,268,504.51

WINDSOR & TECUMSEH ELECTRIC RAILWAY COMPANY

Year ending October 31, 1923

Operating revenue	$688,416.78
Interest from bonds of the city of Winsdor	1,934.50
	$690,351.28

Account

CREDITS	
Surplus for the 2 years and 7 months ending October 31, 1922	$8,437.52
Net surplus for year ending October 31, 1923	34,463.51
	$42,901.03

GUELPH RADIAL

Statement of Assets and

Assets		
Road and equipment		$417,313.14
Stores and spare parts	$6,829.89	
Stationery, tickets and other supplies	218.33	
Accounts receivable	748.53	
Insurance unexpired	923.54	
Expenses prepaid	395.58	
Cash in bank	375.48	
		9,491.35
Valuation and other expenses re purchase of plant assets by the Hydro-Electric Power Commission of Ontario	$2,563.00	
Less—three-tenths written off	768.90	
		1,794.10
Due by the city of Guelph:		
Operating deficit for year ending October 31, 1923	$12,982.12	
Less—instalment on account of principal and interest payable November 1, 1923, under purchase agreement	5,850.00	
		7,132.12
		$435,730.71

GUELPH RADIAL

Operating Account for Year

Transportation expense	$21,611.15	
Maintenance—way and structures	7,397.66	
Maintenance—equipment	11,078.08	
Power	7,789.73	
General operating and management expenses	8,648.21	
Proportion of administrative expenses of the Commission chargeable to the operation of the railway	2,560.95	
Insurance	4,281.18	
Taxes	2,507.38	
Written off valuation and other expenses re purchase by the Hydro-Electric Power Commission of Ontario	256.30	
		$66,130.64
Interest		17,059.75
Payment to city of Guelph, of instalment due May 1, 1923, and provision for payment due November 1, 1923:		
Interest for year	$6,348.77	
On account of principal	5,351.23	
		11,700.00
		$94,890.39

RAILWAY

Liabilities, October 31, 1923

Liabilities		
Hydro-Electric Power Commission of Ontario:		
In respect of the purchase price of the railway from the city of Guelph under agreement dated December 8, 1920	$150,000.00	
Less—instalments paid on account of principal	10,239.17	
	$139,760.83	
In respect of the 6% 1931 bonds issued by the Commission for the purposes of the railway	150,000.00	
Interest accrued thereon	4,500.00	
In respect of demand loan from the Bank of Montreal obtained by the Commission for the purposes of the railway, secured by $150,000.00 Guelph Radial 6% 1942 bonds	140,000.00	
	$434,260.83	
Less—a portion of the proceeds of loan held for the time being by the Commission	10,059.42	
		$424,201.41
Accounts payable and accrued charges	$25.97	
Provision for unredeemed tickets	1,264.16	
		1,290.13
General reserve		10,239.17
		$435,730.71

RAILWAY

Ending October 31, 1923

Operating revenue	$81,908.27
Net deficit for year, payable by the city of Guelph	12,982.12
	$94,890.39

TORONTO AND YORK
Statement of Assets and

Assets			
Radial Railway Properties:			
Metropolitan Division (including Schomberg)—			
Road and equipment	$2,247,328.97		
Materials and supplies	137,239.09		
Office furniture	915.85		
		$2,385,483.91	
Scarboro Division—			
Road and equipment		247,315.68	
Mimico Division—			
Road and equipment		268,501.87	
			$2,901,301.46
Mortgages receivable	$17,050.00		
Interest accrued thereon	219.11		
		$17,269.11	
Accounts receivable (less reserve for doubtful accounts)		15,850.88	
Cash in bank		14,552.46	
			47,672.45
Insurance premiums unexpired		$9,940.35	
Expenses prepaid		3,580.90	
			13,521.25
Expenses incidental to the purchase of the Railways, less portion written off			29,425.89
Due by the City of Toronto:			
Operating deficit for the year ending October 31, 1923—as per Operating Account		$195,252.14	
Less—Operating surplus, before making provision for renewal of road and equipment, for the twenty-three months ending October 31, 1922		18,624.71	
		$176,627.43	
Less—Amount owing to the City of Toronto in respect of the operation of the City section of the Metropolitan Division in the twenty-three months ending October 31, 1922	$101,720.55		
Interest on the above amount for the year ending October 31, 1923	5,086.03		
		106,806.58	
			69,820.85
			$3,061,741.90

TORONTO AND YORK
Combined Operating Account for

Expenditure	Metropolitan	Scarboro	Mimico	Total
	$ c.	$ c.	$ c.	$ c.
Transportation expenses	173,124.35	39,806.41	85,120.44	298,051.20
Maintenance—Way and Structures	106,906.15	14,614.01	14,891.16	136,411.32
Maintenance—Equipment	75,280.92	11,452.05	17,218.66	103,951.63
Power Costs	115,963.19	18,409.37	29,881.57	164,254.13
General operating and management expenses	43,246.97	5,131.41	8,248.07	56,626.45
Proportion of the administrative and accounting expenses of the Commission chargeable to the operation of the Railways	31,208.32	4,172.47	6,788.07	42,168.86
Taxes	13,193.47	930.83	1,278.42	15,402.72
Insurance (fire and liability)	24,278.32	4,478.32	8,901.46	37,658.10
Written off valuation and other expenses re purchase by Hydro-Electric Power Commission	3,831.44	494.68	574.33	4,900.45
Total Operating Expenses	587,033.13	99,489.55	172,902.18	859,424.86
Interest: On bonds $2,375,000.00 issued by the Hydro-Electric Power Commission to cover the purchase price of the Railways	112,500.00	14,400.00	15,600.00	142,500.00
Bank and other Interest	31,958.90	2,687.89	2,789.05	37,435.84
	731,492.03	116,577.44	191,291.23	1,039,360.70

RADIAL RAILWAYS
Liabilities, October 31, 1923

LIABILITIES			
Hydro-Electric Power Commission of Ontario:			
Re 6% bonds maturing 1940, issued by the Commission in purchase of the Radial Railway Properties		$2,375,000.00	
Cash advances out of borrowings from the Bank of Montreal (secured by $600,000.00 Hydro Radial 6% bonds maturing in 1940.	$600,000.00		
Less current account	14,590.81		
		585,409.19	
			$2,960,409.19
Accounts payable and accrued charges		$89,178.43	
Provision against claims for injuries and damages		8,302.02	
Provision for unredeemed tickets		3,852.26	
			101,332.71
			$3,061,741.90

RADIAL RAILWAYS
Year Ending October 31, 1923

	Metropolitan	Scarboro	Mimico	Total
REVENUE	$ c.	$ c.	$ c.	$ c.
Passenger	356,822.59	85,749.15	207,898.11	650,469.85
Freight	172,608.01	....	....	172,608.01
Rentals of property, including amount charged Niagara system for use of poles	11,206.39	1,015.76	40.00	12,262.15
Miscellaneous	6,787.70	1,511.61	469.24	8,768.55
	547,424.69	88,276.52	208,407.35	844,108.56
Net deficit (or surplus) for year after payment of interest on the Bonds issued by the Commission to cover its investment in the Railways, but before making provision for renewal of Road and Equipment	184,067.34	28,300.92	(17,116.12)	195,252.14
	731,492.03	116,577.44	191,291.23	1,039,360.70

TORONTO AND YORK RADIAL RAILWAY

Summarized Operating Report for the Year Ending October 31, 1923

	Metropolitan Division	Scarboro Division	Mimico Division
	$ c.	$ c.	$ c.
Maintenance—way and structures	106,906.15	14,614.01	14,891.16
Maintenance—equipment	75,280.92	11,452.05	17,218.66
Power	115,963.19	18,409.37	29,881.57
Transportation	173,124.35	39,806.41	85,120.44
General and miscellaneous	102,565.05	14,276.88	24,511.93
Total	573,839.66	98,558.72	171,623.76
Revenue	547,424.69	88,276.52	208,407.35
Net revenue	.....	.....	36,783.59
Shortage	26,414.97	10,282.20	.....
Taxes	13,193.47	930.83	1,278.42
Interest	144,458.90	17,087.89	18,389.05
Deficit	184,067.34	28,300.92	.....
Surplus	.....	.....	17,116.12

Net deficit—all divisions $195,252.14

SECTION IX

FINANCIAL STATEMENTS

EXPLANATORY STATEMENT RESPECTING THE ACCOUNTS

The Hydro-Electric Power Commission of Ontario believes that a satisfactory understanding of the manner in which the various operations of the Commission are financed will contribute greatly to the interest of those engaged either directly or indirectly with the work of the Commission.

In this section of its Annual Report the Commission presents detailed financial statements which may easily be understood although, upon casual inspection, they might appear somewhat complex.

For the purpose of financial statement, the various systems are treated as quite separate units for each of which similar statements and details are given. Many of the pages which follow, therefore, simply repeat for each system the class of data which is presented for the first system dealt with, namely, the Niagara system. In order, therefore, to possess a ready grasp of all the figures presented in this and other similar reports of the Commission, all that is necessary is to have a true understanding of the financial procedure followed in connection with one system and with one municipality.

The accounts of the Hydro-Electric Power Commission of Ontario are subjected to a strict audit by auditors specially appointed by the Provincial Government. The accounts of the individual municipalities are prepared according to approved and standard practice and are also duly audited. In fact, in preparing the various financial reports and statistical tables relating to all Hydro enterprises, the greatest care is exercised and all statements are presented in such form that they may be comprehensive and at the same time easily understood.

It is proposed here to explain briefly the general plan of the financial operations of the Commission and in the course of the explanation to illustrate by reference to specific data.

The balance sheet which immediately follows, exhibits the assets and liabilities of the Hydro-Electric Power Commission of Ontario in respect of all of its undertakings, except those of the "Central Ontario and Trent" and "Nipissing" systems—which, owing to special conditions, are separately submitted—and of the Ontario Power Company, Limited, the financial report of which is separately presented at the end of this section of the Report.

It will be understood that this statement of assets and liabilities and the financial tables which follow relate to the properties constructed and operated by the Commission as trustee for the municipalities; and the balance sheets, operating reports and statistical data appearing in Section X, under the heading

of "Municipal Accounts," refer to the operation of the municipalities' properties within the boundaries of those municipalities which have contracted with the Commission for their supply of electrical energy.

The whole Hydro-Electric undertaking of the municipalities, so far as finances are concerned, is operated in what may be termed two distinct divisions. The first division covers the generation, transformation, and transmission of electrical energy in wholesale quantities to municipalities. The equipment essential to this work is constructed, or otherwise provided, and also operated on behalf of the associated municipalities by the Hydro-Electric Power Commission of Ontario.

The second division comprises the various operations involved in the local distribution by various municipal utility commissions, within their respective municipalities, of the electrical energy which they purchase from the Hydro-Electric Power Commission. The work performed by the various municipal commissions in their local distribution and sale of electrical energy is under the supervision of the Hydro-Electric Power Commission.

To convey a better understanding respecting the operations of Hydro undertakings, the financial results of the two divisions just mentioned have been combined and are shown in balance sheet form immediately following statement "A" in Section X of this Report. These balance sheets are headed: "Statement combining the Hydro-Electric Power Commission's plant and reserves with the assets, liabilities and reserves of the 'Hydro' Municipal Utilities as at 31st December, 1923," and information respecting the several columns of figures is given in a statement immediately preceding these balance sheets.

The ultimate source of all revenue—whether for the larger operations of the Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. The revenue collected from the service supplied by the municipalities is divided so as to pay for the power purchased from the Commission and also for the expense incurred by the local utility in supplying its customers.

The portion of the total revenue remitted to the Hydro-Electric Power Commission—and this remittance appears in the financial statements as the total "Cost of Power"—must be sufficient to pay the municipality's proportion of the expenditures made by the Commission on behalf of the municipality, in connection with the particular system to which the municipality belongs, in order to provide, transmit and sell to the municipality the agreed-upon amount of power. This remittance to the Commission includes a sinking fund and a depreciation or renewals reserve fund; the former making full provision for the liquidation of the capital investment, and the latter creating a fund considered to be fully adequate to renew or rebuild any section of the various properties when necessary. The Hydro-Electric Power Commission of Ontario obtains its revenue from power service—that is, from the sale of electricity generated for and transmitted to the municipalities in bulk—and with this revenue operates and maintains its system and also creates the reserves just mentioned. Power service is given to each municipality "at cost."

All municipalities have current expenses to meet similar to the expenses of the Commission and have adopted the same sound financial procedure with respect to the operation of their local utilities. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and provide

a reserve to rebuild generating, transforming, and transmission systems, the municipalities are taking similar action with respect to their local Hydro systems.

From the foregoing explanation it will be seen that the revenue obtained from "Hydro" light and power customers is sufficient to meet *all* operating and maintenance costs and capital charges in connection with (a) individual municipal investments and (b) collective municipal investments made through the agency of the Hydro-Electric Power Commission, and in addition there is being provided a fund for the purpose of renewing or rebuilding the properties—if necessary—of the whole Hydro installation from the generating stations to and including the municipal systems.

It will be profitable to consider, very briefly, the basic principle upon which the whole Hydro project is founded. This is set out in the contracts under which the municipalities enter into the partnership of which the Commission acts as trustee. The rates at which power is supplied to the various municipalities vary with the amount of power used and the distance from the source of supply. The entire capital cost of the various power developments and transmission systems are pro-rated annually to the connected municipalities, according to the relative use made of the lines and equipment. Each municipality is required to assume responsibility for just that portion of capital employed in delivering electrical energy to it, together with such expenses as are incident to that particular portion of the investment. Municipalities are not charged with expenses connected with equipment or plant from which they derive no benefit or are in no way interested. The entire annual expense of operation, maintenance, administration, interest and sinking fund and full depreciation are paid out of revenue collected from the municipalities, through the medium of thirteen power bills rendered by the Commission each year. Power bills are rendered at an interim estimated rate each month during the year and a thirteenth bill—or credit memorandum as the case may be—is rendered at the end of the year, when the Commission's books are closed and the actual cost determined.* There is no burden on the taxpayers or on non-users and no avenue through which losses, should they occur, could be absorbed, except by a direct charge to the contracting municipalities for power supplied. It should be noted that the sinking fund on the debentures is treated as an operating expense and that, therefore, the municipalities are not only paying the interest on the investment, but are also paying off the principal by means of a sinking fund and, in addition, are providing for the perpetuity of the system through an adequate depreciation fund.

The results obtained by the annual adjustments of the Commission's capital investment, operating expenses and fixed charges as they affect individual municipalities are clearly shown in the tables for the respective systems.

These financial statements are typical of others appearing in this section of the Commission's Annual Report, and if their significance is fully appreciated there can be no misconception of the relationship of the municipalities to he Commission's operations.

To illustrate further the foregoing explanatory comments a typical Operating Report is now submitted, viz., that of the Hydro-Electric Utility of the town of Wallaceburg:

*The financial year for the Commission accounts ends on October 31. The financial year for the Municipal accounts, however, ends on December 31, and the Municipal accounts are made up to this date, and so recorded in Section X.

WALLACEBURG HYDRO SYSTEM

OPERATING STATEMENT FOR THE YEAR 1923

REVENUE

Revenue from Wallaceburg Hydro customers for year	$60,094.93

EXPENSES

Representative illustration of expenses incurred by Hydro-Electric Power Commission on behalf of a municipality in connection with the supplying of its electrical energy. These data really show—as determined by annual adjustment—what it costs the Commission to supply the municipality with its power. See Annual Adjustment Statement, page 226, for the town of Wallaceburg, as follows:

Cost (pro share) of generating and transforming at Niagara Falls, Ontario	$13,285.70	
Cost (pro share) of administering, maintaining and operating Commission's transformer stations and transmission lines	5,946.12	
Interest on Wallaceburg's proportionate share of capital investment in stations and lines	6,849.38	
Renewal reserves (pro share) yearly provision for plant renewal purposes	1,561.04	
Contingencies (pro share) yearly provision	1,843.40	
Payments to sinking fund (pro share)	2,387.06	
		$31,872.70

Expenses incurred by a municipality through its Utility Commission in connection with the sale of electrical energy to consumers. Consult the section dealing with the Municipal Accounts:

Operation, maintenance and administrative expenses, etc	$11,210.08	
Interest and fixed charges on debenture debt	2,681.20	
Depreciation charge	1,890.00	
		$15,781.28
Total expenses charged against the revenue from customers of the Wallaceburg system		$47,653.98
Net surplus for the year		$12,440.95

The town of Wallaceburg, situated near the extreme end of the Niagara system, 212 miles distant from the source of power, Niagara Falls, Ontario, was connected to the system in February, 1915. This utility has fulfilled every monetary obligation imposed upon it by the Power Commission Act. With the close of the eighth year of operation its financial condition as set forth in the municipality's balance sheet (See Statement A, in Section X) stands as follows:

Total assets, $163,248.30; total liabilities, $69,989.10; reserves and surplus, $93,259.20. The last mentioned figure comprises the following items:

Debentures paid	$8,207.83
Reserve for renewals of plant (local)	15,979.15
Sinking fund equity in Hydro-Electric Power Commission system	12,227.46
Surplus	56,844.76
	$93,259.20

In addition to these reserves the Hydro-Electric Power Commission of Ontario has collected from this utility during the period under review the sum of $25,776.78, which represents Wallaceburg's proportionate share of renewals reserve retained by the Commission for purposes as hereinbefore mentioned.

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER

ASSETS			
Niagara System:			
Right-of-way		$1,797,932.85	
Steel-tower lines		6,187,512.32	
Transformer stations		13,252,392.92	
Wood-pole lines		2,987,013.54	
		$24,224,851.63	
Rural power districts construction	$734,951.95		
Rural line construction	266,839.55		
Local distributing systems	79,833.43		
		1,081,624.93	
			$25,306,476.56
Niagara Power Development Works:			
Expenditure to date on construction work at Niagara Falls			69,397,063.18
Severn System:			
Power development		$653,945.81	
Wood pole lines		576,626.23	
Transformer stations		217,463.16	
		$1,448,035.20	
Rural power districts construction		30,511.42	
			1,478,546.62
Eugenia System:			
Power development		$1,016,043.14	
Wood-pole lines		859,274.68	
Transformer stations		300,827.46	
		$2,176,145.28	
Rural lines		3,241.66	
Rural power districts construction		2,946.95	
			2,182,333.89
Wasdells System:			
Power development		$147,335.28	
Wood-pole lines		203,593.93	
Transformer stations		34,920.30	
		$385,849.51	
Rural lines		14,990.82	
Rural power districts construction		18,578.02	
			419,418.35
Muskoka System:			
Power development		$150,037.97	
Wood-pole lines		55,188.60	
Transformer stations		9,896.85	
			215,123.42
St. Lawrence System:			
Wood-pole lines		$520,228.06	
Transformer stations		492,388.18	
		$1,012,616.24	
Rural power districts construction		33,008.26	
			1,045,624.50
Rideau System:			
Power development		$760,597.47	
Wood-pole lines		261,682.64	
Transformer stations		60,799.10	
			1,083,079.21
Thunder Bay System:			
Power development		$6,070,237.18	
Transmission lines		620,946.99	
Transformer station		173,041.45	
			6,864,225.62
Ottawa System:			
Meters, etc		$2,875.14	
Rural power districts construction		23,164.95	
			26,040.09

COMMISSION OF ONTARIO

and Liabilities, October 31, 1923

UNDERTAKINGS

LIABILITIES

Provincial Treasurer:		
Cash advances for Niagara and other systems	$48,833,811.91	
Cash advances for Niagara Power Development Works	65,822,145.52	
		$114,655,957.43
Unexpended portion of the sum appropriated by the Legislature to cover expenditures by the Commission on account of the Province		75,967.81
Bank of Montreal:		
Cash advances re construction of third pipe line on Ontario Power Company's property		1,200,000.00
Debentures issued to cover purchase of capital stock of Ontario Power Company of Niagara Falls	$8,000,000.00	
Interest accrued thereon	80,000.00	
		8,080,000.00
Debentures issued to cover the purchase price of the capital stock of The Toronto Power Company, Limited	$413,200.00	
Debentures issued to cover purchase price of certain electrical power equipment of the Toronto and York Radial Railway transferred to Niagara system	205,800.00	
	$619,000.00	
Interest accrued thereon	15,475.00	
		634,475.00
Debentures issued for the purpose of retiring the 1921 issue of the Ontario Power Company of Niagara Falls	$3,200,000.00	
Interest accrued thereon	67,856.16	
		3,267,856.16
Debentures issued to cover purchase price of Essex system	$226,000.00	
Interest accrued thereon	3,875.01	
		229,875.01
Debentures issued to cover purchase price of Thorold system	$100,000.00	
Interest accrued thereon	1,666.67	
		101,666.67
Debentures assumed:		
Line to brick companies at Streetsville	$3,999.17	
Muskoka power development	38,904.36	
	$42,903.53	
Interest accrued thereon	1,534.49	
		44,438.02
Accounts payable	$138,512.37	
Bond interest coupons overdue, but not presented	75,431.50	
		213,943.87
Central Ontario system—Current account		871.85
Insurance Department:		
Outstanding claims and awards	$616,509.05	
Surplus	50,735.70	
		667,244.75

HYDRO-ELECTRIC POWER
Detailed Statement of Assets
POWER UNDER

ASSETS

Bonnechere River Storage System:			
Round Lake dam		$20,292.68	
Golden Lake dam		11,092.81	
Interest on above to December 31, 1916		2,780.25	
			34,165.74
Essex System:			
Purchase price of system		$226,000.00	
Additional expenditure to date		71,748.01	
			297,748.01
Thorold System:			
Purchase price of system		$100,000.00	
Less: Credit balance on current account		90,207.85	
			9,792.15
Service Buildings:			
Service building and equipment, Toronto		$471,954.40	
Equipment of storehouse and garage, Hamilton		9,616.81	
Pole yard and equipment, Cobourg		20,245.79	
			501,817.00
Office Buildings:			
On University avenue, Toronto		$500,101.84	
On corner Elm street and Centre avenue, Toronto		163,198.40	
			663,300.24
Office Furniture and Equipment:			
At Toronto office		$96,881.79	
At Hamilton office		2,486.54	
At Electrical Inspection office		5,300.26	
Library		1,922.72	
Stationery and office supplies		17,244.02	
			123,835.33
Automobiles and Trucks			15,979.05
Inventories:			
Construction and maintenance, tools and equipment		$273,142.75	
Construction material and sundry supplies		692,826.86	
Maintenance material and supplies		226,136.10	
			1,192,105.71
Investment in capital stock of Ontario Power Company of Niagara Falls			8,000,000.00
Ontario Power Company of Niagara Falls:			
Re 6 per cent. 1941 debentures issued by the Commission for the purpose of retiring the 1921 issue of the Power Company	$3,200,000.00		
Interest accrued thereon	67,856.16		
		$3,267,856.16	
Expenditure in connection with construction of third pipe line		3,516,524.29	
Accrued interest on $8,000,000 bonds issued by the Commission to cover the purchase price of the capital stock of the Power Company		80,000.00	
Current account		76,057.98	
			6,940,438.43
Investment in capital stock of Toronto Power Company, Ltd			413,200.00
The Toronto Power Company, Ltd., Current account			355,497.83
Investments of Sinking Funds:			
In Securities of the Province of Ontario—			
Deposited with Provincial Treasurer —par value	$2,440,000.00		
Deposited with Canada Trust Company—par value	30,500.00		
In the hands of the Commission—par value	1,155,500.00		
Interest accrued thereon	65,584.98		
		$3,691,584.98	
On behalf of the Essex System—par value	$36,000.00		
Interest accrued thereon	825.00		
		36,825.00	

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Balances due to municipalities in respect of amounts paid by them to October 31, 1923, in excess of the cost of power supplied to them as provided to be paid under Section 23 of the Act:		
Niagara system	$324,322 63	
Severn system	57,700.88	
Eugenia system	6,425.89	
Wasdells system	5,080.49	
St. Lawrence system	16,523.13	
Rideau system	114.65	
Ottawa system	1,607.79	
		$411,775.46
Reserves for Sinking Fund:		
Municipalities—		
Niagara system	$3,184,758.95	
Niagara rural lines	41,812.64	
Severn system	108,881.70	
Eugenia system	66,902.09	
Eugenia rural lines	256.21	
Wasdells system	22,275.82	
Wasdells rural lines	1,185.91	
Muskoka system	8,682.51	
St. Lawrence system	44,283.34	
Ottawa system	814.66	
Bonnechere storage system	4,709.45	
	$3,484,563.28	
Service and Office Buildings—		
Service buildings	$63,816.73	
Office buildings	82,011.65	
		3,630,391.66
Reserves for Renewals:		
Contributed by Municipalities—		
Niagara system	$2,784,442.46	
Severn system	158,681.44	
Eugenia system	169,355.53	
Wasdells system	42,479.05	
Muskoka system	18,485.66	
St. Lawrence system	87,795.35	
Rideau system	45,410.37	
Ottawa system	1,216 69	
	$3,307,866.55	
In respect of Service and Office Buildings—		
Service buildings	$135,984.92	
Office buildings	15,030.69	
		3,458,882.16

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

ASSETS			
Investments of sinking funds (continued) :			
On behalf of the Thorold System—			
par value	$92,000.00		
Interest accrued thereon	2,108.33		
		94,108.33	
Investment of Insurance Funds:			
In securities of the Dominion of Canada—			
par value	$650,000.00		
Interest accrued thereon	5,166.67		
		655,166.67	
Investment of Reserve Funds:			
In securities of the Province of Ontario—			
par value	$74,000.00		
In securities of the Dominion of Canada—			
par value	1,450,000.00		
Interest accrued thereon	39,725.65		
		1,563,725.65	
			$6,041,410.63
Cash:			
In banks		$275,371.68	
In hands of employees as advances on account of expenses		137,570.37	
In bank to pay bond interest coupons overdue, but not presented		75,431.50	
			$488,373.55
Accounts Receivable:			
Due by municipalities in respect of construction work and supply sales	$464,454.42		
Less: Reserve for doubtful accounts	9,683.73		
		$454,770.69	
Due by municipalities in respect of Power accounts		1,372,626.62	
"Sinking fund and interest" and "Consumers" accounts owing in respect of Rural lines		95,393.41	
Due by town of Renfrew for water from Bonnechere storage system for power purposes		8,372.53	
			1,931,163.25
Balances due by municipalities in respect of the costs of power supplied to them, as provided to be paid under Section 23 of the Act:			
Niagara system		$142,369.79	
Severn system		15,659.36	
Eugenia system		37,497.37	
Wasdells system		3,637.59	
Muskoka system		3,930.53	
St. Lawrence system		11,332.13	
Rideau system		5,221.09	
			219,647.86
Amount recoverable out of future revenues from the city of Port Arthur and other power customers on the Thunder Bay system—being that portion of the Nipigon Development interest deferred as at October 31, 1923			620,818.33
Receivable from the Province of Ontario in respect of bonus to primary rural lines			519.31
Walkerton Quarry mortgage		$249,653.30	
Interest accrued thereon		10,162.71	
			259,816.01
Work in progress:			
Expenditure on account of various systems chargeable upon completion to—			
Capital construction		$75,643.07	
Operating and maintenance expenses		30,334.46	
			105,977.53
Premiums (less discounts) on investments—to be written off			60,536.31
Balance on interest account to be charged against operation in the following year			56,529.61
Insurance unexpired			39,559.72

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Reserves for Contingencies:		
Niagara system	$137,611.46	
Severn system	51,711.10	
Eugenia system	20,161.30	
Wasdells system	6,342.45	
Muskoka system	5,623.50	
St. Lawrence system	22,868.03	
Rideau system	11,657.07	
		$255,974.91
Surplus arising from Departmental operations in Service Buildings		1,456.28

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

ASSETS

Sandwich, Windsor and Amherstburg Railway:			
Cost of capital stock and plant assets of Company		$2,039,000.00	
Advances for construction and extensions and operations	$1,361,000.00		
Less: Current account	49,964.94		
		$1,311,035.06	
			$3,350,035.06
Guelph Radial Railway:			
Purchase price of railway	$150,000.00		
Less: Instalments paid	10,239.17		
		$139,760.83	
Proceeds of sale of bonds	$150,000.00		
Proceeds of loan from Bank of Montreal	140,000.00		
	$290,000.00		
Less: Current account	5,559.42		
		284,440.58	
			424,201.41
York Radial Railways:			
Purchase price of road and equipment of the Metropolitan, Scarboro and Mimico divisions		$2,375,000.00	
Proceeds of loan from Bank of Montreal		600,000.00	
		$2,975,000.00	
Less: Current account		14,590.81	
			2,960,409.19
Port Credit to St. Catharines Radial Railway:			
Expended upon purchase of right-of-way		$71,388.11	
Construction materials purchased		135,621.95	
Surveying, engineering, administrative expenses and interest		154,670.38	
			361,680.44
Toronto to Port Credit Radial Railway:			
Expended upon purchase of right-of-way		$629,729.09	
Surveying, engineering, administrative expenses and interest		204,569.64	
			834,298.73
			$144,320,787.87

COMMISSION OF ONTARIO

and Liabilities—Continued

UNDERTAKINGS

LIABILITIES

In respect of the Sandwich, Windsor and Amherstburg Railway:			
Debentures issued to cover purchase price of capital stock, and plant assets		$2,100,000.00	
Interest accrued thereon		7,875.00	
			$2,107,875.00
Debentures issued for the purpose of making extensions and betterments		$900,000.00	
Interest accrued thereon		18,000.00	
			918,000.00
Bank of Montreal—Advances			400,000.00
(Secured by hypothecation of $574,728.00 Hydro Radial debentures issued by Commission.)			
In respect of the Guelph Radial Railway:			
City of Guelph—Purchase price of Railway payable thereto, in half-yearly instalments, according to purchase agreement	$150,000.00		
Less: Instalments paid	10,239.17		
		$139,760.83	
Debentures issued by the Commission for the purpose of making extensions and betterments		150,000.00	
Bank of Montreal—Advances		140,000.00	
(Secured by hypothecation of $150,000.00 Guelph Radial Railway debentures issued by the Commission.)			429,760.83
In respect of York Radial Railways:			
Debentures issued to cover the purchase price of the road and equipment on the Metropolitan, Scarboro and Mimico divisions		$2,375,000.00	
Interest accrued thereon		59,375.00	
Bank of Montreal—Advances		600,000.00	
(Secured by hypothecation of $600,000 interim City of Toronto debentures and $600,000 Hydro Radial debentures issued by the Commission.)			3,034,375.00
In respect of the Port Credit to St. Catharines Radial Railway:			
Bank of Montreal—Advances			500,000.00
(Secured by hypothecation of $1,200,000.00 Hydro Radial debentures, being part of issue of $11,360,363.00 guaranteed by Province of Ontario.)			
			$144,320,787.87

NIAGARA

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6 c AND 23 OF THE ACT

Power purchased		$5,130,946.50
Costs of operating and maintaining transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of this system		1,458,587.22
Interest on capital investment		1,195,505.63
Provision for renewal of lines, stations, etc		275,412.93
Provision for contingencies:		
By charges against municipalities	$600,356.40	
By charges against contracts with private companies which purchased power	109,504.20	
		709,860.60
Provision for sinking fund:		
By charges against municipalities	$298,240.43	
By charges against contracts with private companies which purchased power	56,968.54	
		355,208.97
		$9,125,521.85

SYSTEM

Ending October 31, 1923

REVENUE FOR PERIOD

Collected from municipalities		$8,059,354.89
Power sold to private companies		1,235,321.34
		$9,294,676.23
Add: amounts due by certain municipalities, being the difference between sums paid and the costs of power supplied to them in the year	$40,239.56	
Deduct: amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year	331,174.99	
		290,935.43
REVENUE		$9,003,740.80
Loss on sale of power supplied to private companies (written off to contingency reserve)		121,781.05
		$9,125,521.85

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost, under by the Commission from each Municipality on account of such cost, and ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating	
	To Dec. 31, 1922	To Oct. 31, 1923				Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Acton	37.00	37.00	44,298.68	341.2	4,918.17	1,757.05	2,365.27
Agincourt	51.00	51.00	2,216.73	27.6	720.89	46.73	116.48
Ailsa Craig	49.00	49.00	32,976.26	110.0	1,585.58	825.84	1,789.85
Alvinston	95.95	95.95	41,470.85	69.2	997.47	867.94	2,263.14
Aylmer	50.00	50.00	50,791.13	228.8	3,298.00	2,258.29	2,868.26
Ayr	50.00	50.00	13,305.09	84.9	1,223.78	695.73	715.85
Baden	36.00	36.00	29,394.29	219.0	3,156.74	1,445.83	1,543.39
Beachville	37.00	37.00	40,912.72	344.7	4,968.62	2,533.62	1,961.63
Belle River	92.00	92.00	14,743.55	45.7	658.74	443.96	751.17
Blenheim	54.00	50.00	36,645.05	174.5	2,515.30	1,759.23	1,981.10
Bolton	60.00	60.00	40,341.90	135.0	1,945.94	583.14	2,194.47
Bothwell	55.00	55.00	32,010.21	146.0	2,104.49	1,084.98	1,731.63
Brampton	26.00	28.00	122,202.33	1,215.3	17,517.75	5,972.78	6,519.78
Brantford	25.00	25.00	399,022.88	6,380.1	91,964.96	19,608.07	20,841.52
Brigden	66.00	70.00	27,048.13	50.0	720.72	853.20	1,475.23
Burford	70.00	60.00	17,266.17	61.7	889.37	729.37	936.80
Burgessville	52.00	58.00	7,696.72	32.8	472.79	428.95	395.69
Caledonia	29.00	29.00	10,992.07	113.1	1,630.26	317.18	491.56
Chatham	31.00	31.00	307,153.66	3,181.9	45,865.00	11,715.70	16,322.45
Chippawa	32.00	25.00	4,085.67	78.5	1,131.53	818.29	172.83
Clinton	48.00	50.00	57,076.89	266.9	3,847.19	2,822.49	3,076.42
Comber	60.00	50.00	27,515.55	115.0	1,657.65	875.27	1,490.21
Dashwood	62.00	62.00	19,468.45	47.5	684.68	597.21	1,058.35
Delaware	85.00	75.00	4,174.01	16.6	239.28	182.19	226.08
Dereham Tp	37.00	37.00	11,605.75	73.4	1,058.01	1,093.18	619.10
Dorchester	50.00	50.00	5,031.34	29.8	429.55	387.16	270.85
Drayton	72.00	70.00	27,039.58	55.9	805.76	956.20	1,471.75
Dresden	38.00	38.00	27,484.34	202.8	2,923.23	1,330.66	1,474 02
Drumbo	55.00	50.00	5,209.17	28.3	407.93	294.10	281.07
Dublin	70.00	70.00	10,216.38	29.8	429.55	813.97	554.31
Dundas	22.00	23.00	61,501.40	1,145.6	16,513.07	2,180.40	2,930.96
Dunnville	50.00	42.00	82,316.62	348.1	5,017.63	1,144.65	4,513.79
Dutton	44.00	44.00	19,681.10	130.0	1,873.86	1,486.35	1,058.02
Elmira	38.00	38.00	64,444.27	481.6	6,941.95	2,316.82	3,384.18
Elora	44.00	40.00	44,974.14	280.4	4,041.78	1,699.48	2,394.82
Embro	80.00	70.00	18,696.02	49.5	713.51	860.63	1,013.64
Etobicoke Tp	27.00	30.00	63,327.28	752.0	10,839.59	2,595.95	3,349.30
Exeter	46.00	55.00	55,372.29	235.0	3,387.37	1,476.86	2,990.38
Fergus	47.00	40.00	44,607.09	274.0	3,949.53	1,800.65	2,378.06
Ford City	46.42	40.00	150,682.52	1,217.6	17,550.91	12,648.84	7,845.50
Forest	60.00	55.00	35,248.21	117.8	1,698.01	1,210.44	1,913.88
Galt	25.00	28.00	339,420.65	4,318.6	62,249.79	16,518.01	17,620.35
Georgetown	38.00	38.00	114,076.15	655.1	9,442.84	3,872.62	5,911.48
Glencoe	76.00	70.00	37,236.07	80.4	1,158.91	898.17	2,029.00
Goderich	55.00	57.00	155,293.09	562.4	8,106.63	6,435.56	8,403.68
Grantham Tp	17.00	17.00	28,262.87	61.2	1,363.15	335.38	1,414.47
Granton	55.00	55.00	14,774.64	50.3	725.04	603.82	801.74
Guelph	25.00	27.00	342,248.14	5,268.4	75,940.53	19,733.61	17,777.47
Hagersville	36.00	32.00	63,077.31	480.5	6,926.09	1,991.08	3,274.13
Hamilton	20.00	24.00	1,620,332.99	21,283.9	306,793.46	51,829.16	72,046.46

SYSTEM **COST OF POWER**

Section 23 of the Act, of Power supplied to it by the Commission, the amount received the amount remaining to be credited or charged to each Municipality upon of power supplied to it in the year ending October 31, 1923

costs and fixed charges.			Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1922–23
Renewals	Contingencies	Sinking fund			Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
539.07	682.40	588.57	10,850.53	12,623.91	1,773.38	.....	1921–22
26.55	55.20	.....	965.85	1,410.14	444.29	.....	.....
407.92	220.00	484.52	5,313.71	5,391.81	78.10	.....	1918–19
515.79	138.40	.....	4,782.74	6,636.73	1,853.99	.....	.....
653.70	457.60	.....	9,535.85	11,439.13	1,903.28	.....	.....
163.15	169.80	246.31	3,214.62	4,243.71	1,029.09	.....	1919–20
351.75	438.00	458.12	7,393.83	7,883.22	489.39	.....	1921–22
447.07	689.40	506.77	11,107.11	12,753.68	1,646.57	.....	1921–22
171.19	91.40	.....	2,116.46	4,200.54	2,084.08	.....	.....
451.51	349.00	720.83	7,776.97	8,851.64	1,074.67	.....	1918–19
500.14	270.00	651.74	6,145.43	8,101.90	1,956.47	.....	1918–19
394.66	292.00	810.70	6,418.46	8,031.94	1,613.48	.....	1918–19
1,485.92	2,430.60	2,139.73	36,066.56	35,283.43	.....	783.13	1922–23
4,749.98	12,760.20	4,120.29	154,045.02	159,501.62	5,456.60	.....	1919–20
336.22	100.00	401.72	3,887.09	3,462.28	.....	424.81	1917–18
213.50	123.40	284.77	3,177.21	3,815.33	638.12	.....	1918–19
90.18	65.60	117.42	1,570.63	1,869.41	298.78	.....	1917–18
112.03	226.20	132.57	2,909.80	3,281.09	371.29	.....	1921–22
3,720.04	6,363.80	3,635.15	87,622.14	98,920.19	11,298.05	.....	1918–19
39.39	157.00	56.72	2,375.76	2,054.02	.....	321.74	.....
701.15	533.80	818.98	11,800.03	12,872.78	1,072.75	.....	1919–20
339.63	230.00	302.35	4,895.11	5,908.87	1,013.76	.....	1918–19
241.21	95.00	188.70	2,865.15	2,945.48	80.33	.....	1916–17
51.53	33.20	78.66	810.94	1,276.45	465.51	.....	1918–19
141.10	146.80	.....	3,058.19	2,563.14	.....	495.05	.....
61.73	59.60	86.96	1,295.85	1,489.11	193.26	.....	1919–20
335.42	111.80	.....	3,680.93	3,933.60	252.67	.....	.....
335.94	405.60	553.32	7,022.77	7,705.48	682.71	.....	1918–19
64.06	56.60	63.06	1,166.82	1,446.73	279.91	.....	1919–20
126.33	59.60	13.44	1,997.20	2,088.31	91.11	.....	1916–17
668.00	2,291.20	961.91	25,545.54	27,511.78	1,966.24	.....	1922–23
1,028.73	696.20	.....	12,401.00	15,152.03	2,751.03	.....	.....
241.14	260.00	400.66	5,320.03	5,718.99	398.96	.....	1918–19
771.29	963.20	810.82	15,188.26	18,301.36	3,113.10	.....	1920–21
545.80	560.80	704.57	9,947.25	11,415.44	1,468.19	.....	1919–20
231.02	99.00	324.50	3,242.30	3,520.49	278.19	.....	1919–20
763.33	1,504.00	34.81	19,086.98	22,201.45	3,114.47	.....	1916–17
681.53	470.00	790.15	9,796.29	12,585.04	2,788.75	.....	1917–18
541.98	548.00	581.84	9,800.06	11,350.97	1,550.91	.....	1919–20
1,788.06	2,435.20	2,574.80	44,843.31	49,862.06	5,018.75	.....	1922–23
436.19	235.60	581.52	6,075.64	6,584.45	508.81	.....	1916–17
4,015.84	8,637.20	5,782.82	114,824.01	122,317.71	7,493.70	.....	1922–23
1,347.28	1,310.20	1,765.56	23,649.98	24,895.20	1,245.22	.....	1920–21
462.43	160.80	.....	4,709.31	5,715.73	1,006.42	.....	.....
1,915.28	1,124.80	2,608.50	28,594.45	30,943.41	2,348.96	.....	1919–20
.....	122.40	509.21	3,744.61	2,997.07	.....	747.54	1922–23
182.72	100.60	241.56	2,655.48	2,763.16	107.68	.....	1917–18
4,051.65	10,536.80	5,834.38	133,874.44	140,476.96	6,602.52	.....	1922–23
746.20	961.00	880.45	14,778.95	15,698.59	919.64	.....	1920–21
16,420.06	42,567.80	23,644.89	513,301.83	495,070.82	.....	18,231.01	1922–23

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost, under by the Commission from each Municipality on account of such cost, and ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating	
	To Dec. 31, 1922	To Oct. 31, 1923				Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Harriston	50.00	50.00	53,157.40	214.0	3,084.67	2,364.78	2,872.26
Hensall	64.00	75.00	22,618.57	56.2	810.08	522.58	1,229.41
Hespeler	29.00	30.00	52,808.51	527.7	7,606.45	2,672.88	2,351.61
Highgate	55.00	55.00	16,217.42	60.3	869.18	457.58	826.17
Ingersoll	29.00	30.00	92,672.02	1,051.0	15,149.58	5,012.04	4,832.81
Kitchener	25.00	27.00	679,572.53	8,896.9	128,242.97	28,604.23	34,484.77
Lambeth	75.00	70.00	11,365.41	45.2	651.53	487.98	615.63
Listowel	37.00	40.00	73,449.73	416.9	6,009.34	3,469.55	3,944.23
London	25.00	25.00	1,296,454.84	17,931.9	258,476.58	50,561.13	68,045.29
London Rly. Commission	15.00+ kw-hr.	15.00+ kw-hr.	139,509.81	1,042.0	15,019.75	18,021.52	7,480.45
Lucan	38.00	40.00	21,237.33	124.3	1,791.70	1,021.87	1,143.58
Lynden	50.00	45.00	24,896.54	107.9	1,555.31	601.28	1,323.83
Markham	70.00	65.00	33,294.28	80.8	2,020.31	589.42	1,263.61
Merlin	73.14	60.00	26,510.53	99.2	1,429.90	1,395.28	1,297.21
Merritton	18.00	20.00	1,556.31	335.3	4,833.13	959.44	84.42
Milton	32.00	32.00	116,753.15	1,033.7	14,900.11	6,026.88	6,191.57
Milverton	35.00	35.00	54,027.38	364.0	5,246.82	2,941.34	2,889.65
Mimico	26.00	30.00	77,387.35	827.1	11,922.10	3,341.43	4,092.04
Mitchell	37.00	37.00	38,045.21	269.2	3,880.34	1,857.57	2,032.27
Moorefield	70.00	75.00	14,392.46	33.5	482.88	922.58	782.57
Mt. Brydges	76.00	70.00	7,744.54	30.8	443.96	368.41	419.52
Newbury	67.10	67.10	9,402.81	27.3	393.51	324.45	511.19
NewHambur	38.00	38.00	42,349.11	310.2	4,471.33	2,497.31	2,225.50
New Toronto	26.00	30.00	232,274.27	2,545.8	36,696.00	9,558.29	12,270.36
Niagara Falls	17.50	18.00	36,541.78	4,895.7	70,568.30	4,450.31	1,901.81
Niagara-on-L	26.00	26.00	8,437.61	208.0	2,998.18	806.26	462.16
Norwich	39.00	40.00	42,276.81	306.0	4,410.79	2,166.39	2,071.37
Oil Springs	48.00	40.00	42,239.90	267.4	3,854.40	1,348.90	2,272.67
Otterville	52.00	52.00	9,955.54	42.3	609.73	456.18	511.84
Palmerston	45.00	45.00	44,125.92	226.4	3,263.41	2,413.98	2,374.40
Paris	26.00	28.00	70,063.64	991.8	14,296.15	4,067.92	3,680.51
Parkhill	75.00	70.00	37,396.42	72.	1,037.83	621.01	2,038.76
Petrolia	36.00	36.00	120,530.92	763.7	11,008.23	4,819.80	6,405.78
Plattsville	75.00	90.00	13,821.06	30.6	441.08	575.61	753.02
Point Edward	40.42	40.42	19,256.71	144.9	2,088.64	1,531.11	1,032.31
Pt. Colborne	25.00	27.00	2,177.14	469.1	6,761.77	4,296.47	118.09
Port Credit	28.00	35.00	20,065.49	175.2	2,525.39	1,157.06	938.84
Pt. Dalhousie	22.00	24.00	5,785.42	180.6	4,022.62	837.01	317.31
Port Dover	62.00	60.00	22,452.30	82.8	1,193.51	955.45	1,170.27
Pt. Robinson	14.00	20.00	8,799.01	294.9	4,250.79	1,647.21	439.96
Port Stanley	50.00	48.00	40,105.77	205.9	2,967.91	1,848.24	2,226.47
Preston	27.00	27.00	150,572.66	2,020.9	29,129.95	7,098.53	7,792.44
Princeton	90.00	75.00	9,412.36	22.2	320.00	290.19	512.62
Queenston	18.42	20.00	1,125.37	42.6	614.05	65.33	61.60
Ridgetown	45.00	45.00	45,282.38	249.7	3,599.26	1,693.00	2,221.48
Riverside	52.75	45.00	33,539.72	215.8	3,110.62	2,278.52	1,653.27
Rockwood	65.00	60.00	15,253.61	61.1	880.72	764.65	825.08
Rodney	50.00	48.00	13,393.36	58.6	844.68	671.56	724.92
St.Catharines	18.25	20.00	42,169.60	5,092.7	73,407.93	11,625.34	2,277.41
St. Clair B'ch	75.59	75.00	5,423.85	32.4	467.02	393.86	316.39

SYSTEM—Continued **COST OF POWER**

Section 23 of the Act, of Power supplied to it by the Commission, the amount received the amount remaining to be credited or charged to each Municipality upon of power supplied to it in the year ending October 31, 1923

costs and fixed charges.			Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1922–23
Renewals	Contingencies	Sinking fund			Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
654.62	428.00	690.49	10,094.82	10,697.96	603.14	.....	1917–18
280.19	112.40	420.83	3,375.49	4,081.51	706.02	.....	1917–18
535.95	1,055.40	771.77	14,994.06	15,988.75	994.69	.....	1922–23
188.29	120.60	408.42	2,870.24	3,317.06	446.82	.....	1917–18
1,101.44	2,102.00	1,586.08	29,783.95	33,395.99	3,612.04	.....	1922–23
7,859.40	17,793.80	11,317.54	228,302.71	242,176.28	13,873.57	.....	1922–23
140.31	90.40	140.13	2,125.98	3,247.11	1,121.13	.....	1918–19
898.93	833.80	881.02	16,036.87	16,430.17	393.30	.....	1917–18
15,508.16	35,863.80	22,331.76	450,786.72	448,298.98	.....	2,487.74	1922–23
1,704.86	2,084.00	2,612.93	46,923.51	36,423.83	.....	10,499.68	1919–20
260.63	248.60	393.92	4,860.30	4,920.23	59.93	.....	1918–19
301.71	215.80	469.95	4,467.88	4,914.75	446.87	.....	1918–19
287.96	161.60	.....	4,322.90	5,325.23	1,002.33	.....	.....
295.65	198.40	.....	4,616.44	5,597.60	981.16	.....	.....
19.24	670.60	27.71	6,594.54	6,598.83	4.29	.....	1922–23
1,411.12	2,067.40	1,372.69	31,969.77	33,078.73	1,108.96	.....	1920–21
658.58	728.00	765.98	13,230.37	12,740.96	.....	489.41	1917–18
932.62	1,654.20	904.24	22,846.63	24,254.60	1,407.97	.....	1921–22
463.17	538.40	666.97	9,438.72	9,959.78	521.06	.....	1922–23
178.36	67.00	.....	2,433.39	2,482.92	49.53	.....	.....
95.61	61.60	224.54	1,613.64	2,081.14	467.50	.....	1918–19
116.51	54.60	.....	1,400.26	1,833.46	433.20	.....	.....
507.21	620.40	730.39	11,052.14	11,787.56	735.42	.....	1922–23
2,796.53	5,091.60	5,573.29	71,986.07	74,748.69	2,762.62	.....	1919–20
433.45	9,791.40	457.54	87,602.81	87,717.00	114.19	.....	1918–19
105.33	416.00	.....	4,787.93	5,408.69	620.76	.....	.....
472.08	612.00	632.02	10,364.65	12,185.36	1,820.71	.....	1921–22
517.96	534.80	.....	8,528.73	11,092.92	2,564.19	.....	.....
116.65	84.60	127.38	1,906.38	2,200.87	294.49	.....	1917–18
541.15	452.80	485.19	9,530.93	10,187.23	656.30	.....	1917–18
838.82	1,983.60	829.86	25,696.86	27,570.35	1,873.49	.....	1919–20
464.65	144.00	.....	4,306.25	5,099.86	793.61	.....	.....
1,459.94	1,527.40	1,530.97	26,752.12	30,011.78	3,259.66	.....	1917–18
171.62	61.20	463.56	2,466.09	2,684.99	218.90	.....	1919–20
235.27	289.80	242.77	5,419.90	5,854.16	434.26	.....	1917–18
26.91	938.20	38.76	12,180.20	12,492.99	312.79	.....	1922–23
213.97	350.40	351.13	5,536.79	6,141.98	605.19	.....	1921–22
72.32	361.20	104.14	5,714.60	4,865.43	.....	849.17	1922–23
266.71	165.60	.....	3,751.54	4,995.75	1,244.21	.....	.....
.....	.....	158.39	6,496.35	6,304.00	.....	192.35	.....
507.43	411.80	723.74	8,685.59	9,916.48	1,230.89	.....	1921–22
1,775.97	4,041.80	2,557.40	52,396.09	54,628.03	2,231.94	.....	1922–23
116.83	44.40	139.18	1,423.22	1,731.01	307.79	.....	1919–20
14.04	85.20	.....	840.22	842.94	2.72	.....	.....
506.30	499.40	658.47	9,177.91	11,238.04	2,060.13	.....	1918–19
376.80	431.60	542.59	8,393.40	9,918.08	1,524.68	.....	1922–23
188.04	122.20	270.57	3,051.26	3,510.24	458.98	.....	1920–21
165.22	117.20	261.66	2,785.24	2,832.64	47.40	.....	1916–17
283.41	10,185.40	743.03	98,522.52	101,777.27	3,254.75	.....	1922–23
72.11	64.80	103.84	1,418.02	2,429.52	1,011.50	.....	1922–23

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost, under by the Commission from each Municipality on account of such cost, and ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating	
	To Dec. 31, 1922	To Oct. 31, 1923				Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
St. George...	49.00	40.00	15,543.22	74.5	1,073.87	592.18	805.67
St. Jacobs....	40.00	40.00	7,498.37	41.5	598.20	387.36	395.24
St. Marys....	35.00	35.00	91,256.71	742.8	10,706.97	6,411.51	4,870.37
St. Thomas..	30.00	30.00	271,848.79	3,328.9	47,983.91	16,369.56	14,361.46
Sarnia.....	35.00	35.00	504,767.82	3,798.2	54,748.56	21,758.41	27,059.56
Scarboro Tp.	35.00	35.00	11,725.67	510.8	13,341.75	693.93	643.11
Seaforth.....	40.00	40.00	69,796.36	411.3	5,928.62	3,367.27	3,745.05
Simcoe.....	34.00	34.00	45,983.62	422.3	6,087.18	2,048.91	2,399.47
Springfield...	65.00	65.00	10,220.32	25.0	360.36	647.96	554.61
Stamford Tp.	20.00	20.00	9,918.48	610.5	8,799.96	940.10	542.28
Stouffville...	.....	70.00	22,417.85	6.6	95.13	77.11	103.57
Stratford....	30.00	30.00	422,517.33	4,301.3	62,000.42	21,206.48	22,304.63
Strathroy....	40.00	40.00	87,003.83	496.2	7,152.40	2,058.57	4,687.18
Streetsville...	.....	.....	58,071.69	421.8	6,079.97	3,154.00	2,970.24
Sutton.....	.....	70.00	5,311.79	7.8	112.43	349.14	209.43
Tavistock...	37.00	37.00	37,724.10	170.2	2,453.32	1,645.07	2,034.16
Tecumseh...	59.07	52.00	14,223.23	91.7	1,321.80	1,067.53	833.65
Thamesford..	54.00	50.00	20,722.12	93.7	1,350.62	946.20	1,120.55
Thamesville..	55.00	50.00	16,216.87	82.6	1,190.62	966.05	875.82
Thedford....	110.77	110.00	27,934.43	43.6	628.47	575.23	1,524.95
Thorold.....	.....	.....	2,648.43	570.6	8,224.82	1,885.54	143.66
Thorndale...	70.00	70.00	14,585.91	38.8	559.28	824.45	793.35
Tilbury.....	50.00	45.00	35,698.57	237.0	3,416.19	1,663.90	1,918.89
Tillsonburg..	37.00	45.00	66,582.81	446.2	6,431.68	2,882.77	3,545.74
Toronto.....	22.00	24.00	5,621,573.84	151,766.0	2,187,607.31	651,774.09	291,824.55
Toronto Tp..	30.00	30.00	43,683.55	408.0	5,881.06	2,639.25	2,060.69
Walkerville..	35.00	33.00	585,172.33	4,783.4	68,949.57	15,465.34	30,493.58
Wallaceburg.	35.00	35.00	127,649.48	921.7	13,285.70	5,946.12	6,849.38
Wardsville...	82.20	82.20	6,683.17	12.1	174.41	261.04	364.56
Waterdown..	36.00	36.00	19,550.73	139.2	2,006.48	1,338.90	1,018.56
Waterford...	38.00	35.00	22,955.40	196.8	2,836.74	1,354.54	1,193.86
Waterloo....	26.00	28.00	135,784.43	1,722.1	24,822.94	5,587.09	6,907.79
Watford.....	85.00	70.00	27,893.10	85.7	1,235.31	939.00	1,515.71
Welland.....	20.00	23.00	86,602.28	1,952.8	27,860.04	3,070.44	4,730.36
Wellesley....	43.00	44.00	30,500.51	135.7	1,956.03	1,099.54	1,630.52
West Lorne..	45.00	40.00	35,283.49	209.8	3,024.13	2,185.21	1,900.61
Weston.....	29.00	30.00	146,181.30	1,784.2	25,718.07	5,024.65	7,777.99
Windsor.....	35.00	33.00	1,230,444.60	10,114.7	145,796.77	32,903.03	64,100.08
Woodbridge..	37.00	38.00	31,079.91	237.5	3,423.40	1,326.54	1,672.73
Woodstock...	27.00	28.00	173,131.97	2,593.0	37,376.39	10,268.30	8,879.16
Wyoming....	60.00	62.00	12,237.57	40.4	582.34	569.01	664.62
Zurich.....	74.00	74.00	26,019.05	53.6	772.61	727.13	1,416.44
Rural Power Districts—							
Aylmer.....			5,349.88	6.7	96.58	208.48	304.84
Baden.....			12,093.66	21.8	314.23	1,040.02	666.59
Beamsville.....			72,018.31	72.4	1,043.60	2,845.46	2,837.84
Belle River.....			28,757.87	39.6	570.81	725.70	1,262.72
Brant.....			19,939.28	38.8	1,047.20	470.04	1,096.83

SYSTEM—Continued **COST OF POWER**

Section 23 of the Act, of Power supplied to it by the Commission, the amount received the amount remaining to be credited or charged to each Municipality upon of power supplied to it in the year ending October 31, 1923

costs and fixed charges.			Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1922–23
Renewals	Contingencies	Sinking fund			Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
183.62	149.00	306.59	3,110.93	3,097.08	.....	13.85	1918–19
90.08	83.00	45.82	1,599.70	1,661.62	61.92	.....	1916–17
1,110.00	1,485.60	1,598.41	26,182.86	25,997.66	.....	185.20	1922–23
3,273.11	6,657.80	4,713.28	93,359.12	100,706.18	7,347.06	.....	1922–23
6,167.10	7,596.40	5,606.44	122,936.47	132,940.33	10,003.86	.....	1917–18
146.57	1,021.60	.....	15,846.96	17,877.10	2,030.14	.....	.....
853.53	822.60	1,229.09	15,946.16	16,450.47	504.31	.....	1922–23
546.86	844.60	338.52	12,265.54	14,356.98	2,091.44	.....	1918–19
126.40	50.00	20.62	1,759.95	1,443.48	.....	316.47	1916–17
123.58	1,221.00	180.13	11,807.05	12,397.57	590.52	.....	1917–18
23.58	13.20	.....	312.59	464.91	152.32	.....	.....
5,083.44	8,602.60	7,320.15	126,517.72	129,038.25	2,520.53	.....	1922–23
1,068.25	992.40	1,318.07	17,276.87	19,268.45	1,991.58	.....	1919–20
676.94	843.60	974.81	14,699.56	15,307.05	607.49	.....	1922–23
44.32	15.60	.....	730.92	547.16	.....	183.76	.....
463.60	340.40	786.42	7,722.97	6,297.36	.....	1,425.61	1917–18
190.00	183.40	273.59	3,869.97	4,865.06	995.09	.....	1922–23
255.38	187.40	368.09	4,228.24	4,755.18	526.94	.....	1919–20
199.61	165.20	292.96	3,690.26	4,201.28	511.02	.....	1918–19
347.55	87.20	.....	3,163.40	4,816.20	1,652.80	.....	.....
32.74	1,141.20	47.15	11,475.11	12,696.59	1,221.48	.....	1922–23
180.81	77.60	347.76	2,783.25	2,715.86	.....	67.39	1919–20
437.34	474.00	507.53	8,417.85	10,868.10	2,450.25	.....	1918–19
808.11	892.40	1,163.68	15,724.38	19,642.19	3,917.81	.....	1922–23
66,509.55	303,532.00	95,773.76	3,597,021.26	3,608,707.47	11,686.21	.....	1922–23
469.66	816.00	400.57	12,267.23	12,238.00	.....	29.23	1920–21
6,949.77	9,566.80	10,096.85	141,521.91	160,455.36	18,933.45	.....	1919–20
1,561.04	1,843.40	2,387.06	31,872.70	32,259.67	386.27	.....	1918–19
83.09	24.20	.....	907.30	991.88	84.58	.....	.....
232.14	278.40	334.28	5,208.76	5,012.70	.....	196.06	1922–23
272.09	393.60	310.49	6,361.32	6,997.47	636.15	.....	1918–19
1,574.35	3,444.20	2,267.06	44,603.43	48,370.22	3,766.79	.....	1922–23
345.45	171.40	139.74	4,346.61	6,256.90	1,910.29	.....	1916–17
1,045.14	3,865.60	245.12	40,816.70	43,621.79	2,805.09	.....	1916–17
371.61	271.40	544.13	5,873.23	5,947.15	73.92	.....	1917–18
433.17	419.60	188.03	8,150.75	8,558.95	408.20	.....	1917–18
1,772.68	3,568.40	2,552.66	46,414.45	53,245.27	6,830.82	.....	1922–23
14,609.01	20,229.40	9,825.60	287,463.89	341,323.84	53,859.95	.....	1919–20
381.23	475.00	457.07	7,735.97	8,985.57	1,249.60	.....	1922–23
2,023.64	5,186.00	2,914.05	66,647.54	72,193.85	5,546.31	.....	1922–23
151.47	80.80	239.91	2,288.15	2,487.46	199.31	.....	1917–18
322.82	107.20	199.40	3,545.60	3,967.52	421.92	.....	1916–17
90.33	13.40	95.78	809.41	395.17	.....	414.24	.....
206.50	43.60	207.59	2,478.53	2,297.44	.....	181.09	.....
885.35	144.80	886.89	8,643.94	10,378.65	1,734.71	.....	.....
358.30	79.20	399.97	3,396.70	5,362.65	1,965.95	.....	.....
353.51	77.60	338.78	3,383.96	4,837.27	1,453.31	.....	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost, under by the Commission from each Municipality on account of such cost, and ascertainment (by annual adjustment) of the actual cost

Rural Power Districts	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	$ c.		$ c.	$ c.	$ c.
Chatham	32,882.22	43.8	631.35	1,482.96	1,674.32
Chippawa	20,724.85	55.3	797.11	2,829.87	1,153.44
Delaware	27,473.88	15.2	219.10	644.69	909.26
Dorchester	57,374.89	77.1	1,111.35	3,273.53	3,173.16
Drumbo	14,655.69	16.8	242.16	466.43	815.35
Dundas	18,053.52	30.0	432.43	653.14	1,031.29
Exeter	22,760.73	36.3	523.24	1,085.12	1,231.67
Galt	5,278.59	15.0	216.22	116.90	265.75
Homer	3,938.41	7.6	125.26	198.86	214.51
Ingersoll	712.81	2.4	34.59	26.29	40.27
Jordan	18,313.29	5.0	314.26	268.49	754.28
London	15,303.03	10.5	151.35	385.58	383.23
Lynden	9,402.02	10.0	144.14	228.58	532.32
Markham	14,977.41	18.1	472.76	469.27	795.62
Niagara	7,978.37	26.9	387.75	521.30	462.71
Petrolia	2,234.92	0.7	10.09	6.27	40.45
Preston	47,660.28	98.5	1,419.81	2,560.29	2,482.80
Ridgetown	31,285.24	28.7	413.69	867.78	1,791.75
St. Jacobs	7,878.54	12.9	185.95	350.00	422.60
St. Thomas	35,877.98	5.0	72.07	107.30	192.78
Saltfleet	114,932.03	177.1	2,552.78	9,841.31	6,295.00
Sandwich	14,798.19	25.6	369.01	567.23	560.67
Sarnia	15,418.47	9.2	132.61	325.55	250.90
Simcoe	5,423.85	10.3	148.47	155.76	282.71
Stamford	11,773.32	29.0	418.02	1,612.49	651.19
Streetsville	1,194.51	0.3	4.32	10.30	64.93
Tavistock	8,443.09	8.7	125.40	278.89	323.41
Wallaceburg	18,656.54	12.6	181.62	362.31	425.89
Waterdown	5,437.68	7.4	106.67	181.12	301.48
Welland	4,459.35	8.0	115.31	215.05	255.63
Woodbridge	3,461.27	.....	592.57	35.57	150.47
Woodstock	67,205.02	96.3	1,388.10	2,599.26	3,712.68
Totals—Municipalities	19,859,574.28	300,473.1	4,341,730.88	1,272,212.14	1,020,577.47
Totals—Companies	3,264,092.89	54,752.1	789,215.62	186,375.08	174,928.16
Grand Totals	23,123,667.17	355,225.2	5,130,946.50	1,458,587.22	1,195,505.63
Non-operating capital	1,924,957.24				
	25,048,624.41				

SYSTEM—Continued **COST OF POWER**

Section 23 of the Act, of Power supplied to it by the Commission, the amount received the amount remaining to be credited or charged to each Municipality upon of power supplied to it in the year ending October 31, 1923

costs and fixed charges.			Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1922–23
Renewals	Contingencies	Sinking fund			Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
540.41	87.60	516.98	4,933.62	7,037.63	2,104.01	.....	.....
374.77	110.60	355.64	5,621.43	4,436.48	.....	1,184.95	.....
285.44	30.40	282.40	2,371.29	3,461.82	1,090.53	.....	.....
1,004.42	154.20	983.82	9,700.48	13,060.88	3,360.40	.....	.....
242.58	33.60	255.97	2,056.09	3,086.86	1,030.77	.....	.....
341.43	60.00	316.66	2,834.95	2,438.07	.....	396.88	.....
366.46	72.60	386.66	3,665.75	5,492.10	1,826.35	.....	.....
83.35	30.00	82.55	794.77	1,071.60	276.83	.....	.....
72.49	15.20	65.91	692.23	1,103.25	411.02	.....	.....
12.44	4.80	12.55	130.94	95.92	.....	35.02	.....
253.70	10.00	230.80	1,831.53	2,062.99	231.46	.....	.....
125.06	21.00	118.05	1,184.27	1,803.39	619.12	.....	.....
166.96	20.00	165.36	1,257.36	1,757.02	499.66	.....	.....
260.31	36.20	244.95	2,279.11	4,284.47	2,005.36	.....	.....
152.26	53.80	142.27	1,720.09	3,318.25	1,598.16	.....	.....
12.55	1.40	12.59	83.35	128.01	44.66	.....	.....
767.93	197.00	773.46	8,201.29	10,481.55	2,280.26	.....	.....
578.29	57.40	553.24	4,262.15	7,321.26	3,059.11	.....	.....
129.71	25.80	131.86	1,245.92	1,846.41	600.49	.....	.....
58.48	10.00	60.29	500.92	412.74	.....	88.18	.....
2,040.20	354.20	1,941.98	23,025.47	27,396.61	4,371.14	.....	.....
171.96	51.20	174.96	1,895.03	2,967.15	1,072.12	.....	.....
77.85	18.40	78.11	883.42	1,472.07	588.65	.....	.....
82.19	20.60	89.15	778.88	1,025.06	246.18	.....	.....
218.95	58.00	199.27	3,157.92	4,240.93	1,083.01	.....	.....
21.86	0.60	19.86	121.87	263.53	141.66	.....	.....
98.16	17.40	101.13	944.39	1,503.88	559.49	.....	.....
134.08	25.20	132.20	1,261.30	3,723.59	2,462.29	.....	.....
97.97	14.80	92.95	794.99	1,132.98	337.99	.....	.....
83.92	16.00	78.64	764.55	1,349.59	585.04	.....	.....
51.06	.....	45.95	875.62	876.71	1.09	.....	.....
1,214.06	192.60	1,143.13	10,249.83	16,309.62	6,059.79	.....	.....
235,302.14	600,356.40	298,240.43	7,768,419.46	8,059,354.89	331,174.99	40,239.56	.....
40,110.79	109,504.20	56,968.54	1,357,102.39	1,235,321.34	33,847.19	155,628.24	.....
275,412.93	709,860.60	355,208.97	9,125,521.85	9,294,676.23	365,022.18	195,867.80	.....

NIAGARA SYSTEM

Reserve for Renewals Account, October 31, 1923

Total provision for renewals to October 31, 1922		$2,680,306.03
Deduct:		
Expenditures to October 31, 1922		204,885.01
		$2,475,421.02
Added during the year ending October 31, 1923:		
Amount charged to municipalities as part of the cost of power delivered to them	$235,302.14	
Provision against equipment employed in respect of contracts with sundry companies	40,110.79	
Interest at 4 per cent. per annum on the monthly balances to the credit of the account	99,016.84	
Renewals Reserve provided on second-hand equipment purchased	1,575.18	
		376,004.95
		$2,851,425.97
Expenditures during the year ending October 31, 1923		66,983.51
Balance carried forward October 31, 1923		$2,784,442.46

NIAGARA SYSTEM

Reserve for Contingencies Account, October 31, 1923

Balance brought forward October 31, 1922		$4,853.87
Added during the year ending October 31, 1923:		
Amounts charged to Municipalities as part of the cost of power delivered to them	$600,356.40	
Provision against equipment employed in respect of contracts with sundry customers	109,504.20	
Interest at 4 per cent. per annum on monthly balances at the credit of the account	194.15	
		710,054.75
		$714,908.62
Deduct:		
Expenditures to cover contingencies met with during the year ending October 31, 1923	$174,325.53	
Net loss for year on power sold to sundry power customers including those of the Ontario Power Co. and Toronto Power Co	402,971.63	
		577,297.16
		$137,611.46

NIAGARA

Statement showing the total Sinking Fund requirements to be met by each Municipality Commission under Section 23 of the Act, Sinking Fund payments made by total of such Sinking Fund payments including

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b) Amount	(a) For period of	(b) Amount
		$ c.		$ c.
Acton	7 years ending Oct. 31, 1923	3,616.86	1 years ending Oct. 31, 1923	776.26
Agincourt	1 " " " "	38.23	1 " " " "	38.23
Ailsa Craig	7 " " " "	3,772.58	4 " " " "	2,485.44
Alvinston	2 " " " "	1,142.86	2 " " " "	1,142.86
Aylmer	6 " " " "	5,228.20	6 " " " "	5,228.20
Ayr	7 " " " "	1,731.99	3 " " " "	808.27
Baden	7 " " " "	3,391.88	1 " " " "	506.53
Beachville	7 " " " "	3,652.96	1 " " " "	643.79
Belle River	1 " " " "	246.52	1 " " " "	246.52
Blenheim	7 " " " "	4,680.53	4 " " " "	2,647.05
Bolton	7 " " " "	4,912.81	4 " " " "	2,851.13
Bothwell	7 " " " "	4,632.15	4 " " " "	2,546.20
Brampton	7 " " " "	9,295.01	.....	.....
Brantford	7 " " " "	29,507.56	3 years ending Oct. 31, 1923	16,442.48
Brigden	6 " " " "	3,108.59	5 " " " "	2,706.87
Burford	7 " " " "	2,178.30	4 " " " "	1,325.85
Burgessville	7 " " " "	787.75	5 " " " "	605.55
Caledonia	7 " " " "	869.08	1 " " " "	161.33
Chatham	7 " " " "	28,587.51	4 " " " "	18,317.65
Chippawa Vil.	(See end of table)	.....	.....	.....
Clinton	7 " " " "	5,244.28	3 years ending Oct. 31, 1923	2,510.07
Comber	7 " " " "	3,055.57	4 " " " "	2,080.88
Dashwood	7 " " " "	2,430.17	6 " " " "	2,241.47
Delaware	7 " " " "	531.73	4 " " " "	310.01
Dereham Tp.	5 " " " "	772.26	5 " " " "	772.26
Dorchester	7 " " " "	567.43	3 " " " "	252.43
Drayton	6 " " " "	2,822.12	6 " " " "	2,822.12
Dresden	7 " " " "	3,371.19	4 " " " "	2,035.31
Drumbo	7 " " " "	653.99	3 " " " "	279.58
Dublin	7 " " " "	1,128.21	6 " " " "	1,114.77
Dundas	7 " " " "	6,303.54	.....	.....
Dunnville	6 " " " "	7,469.67	6 years ending Oct. 31, 1923	7,469.67
Dutton	7 " " " "	2,333.64	4 " " " "	1,334.88
Elmira	7 " " " "	5,319.82	2 " " " "	2,043.95
Elora	7 " " " "	4,911.51	3 " " " "	2,152.54
Embro	7 " " " "	2,283.45	3 " " " "	990.55
Etobicoke Tp.	7 " " " "	3,200.70	6 " " " "	3,165.89
Exeter	7 " " " "	7,574.88	5 " " " "	4,237.24
Fergus	7 " " " "	4,251.06	3 " " " "	2,073.52
Ford City	1 " " " "	2,711.92	.....	.....
Forest	7 " " " "	5,473.09	6 years ending Oct. 31, 1923	4,891.57
Galt	7 " " " "	27,609.21	.....	.....
Georgetown	7 " " " "	10,922.07	2 years ending Oct. 31, 1923	3,655.13
Glencoe	4 " " " "	2,111.02	4 " " " "	2,111.02
Goderich	7 " " " "	17,142.20	3 " " " "	7,916.91
Granton	7 " " " "	1,643.62	5 " " " "	1,210.37
Guelph	7 " " " "	26,177.66	.....	.....
Hagersville	7 " " " "	5,259.96	2 years ending Oct. 31, 1923	2,027.07
Hamilton	7 " " " "	83,639.91	.....	.....
Harriston	7 " " " "	6,159.27	5 years ending Oct. 31, 1923	4,728.22

SYSTEM SINKING FUND

pality, Sinking Fund requirements the payment of which has been deferred by the certain Municipalities which have been operating more than five years and the interest allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Sinking fund paid by each municipality as part of the cost of power supplied by Ontario Power Co. and Toronto Power Co.	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount			
	$ c.	$ c.	$ c.	$ c.
6 years ending Oct. 31, 1922	2,840.60	274.96	1,855.60	4,971.16
.....	.....	.....	49.24	49.24
3 years ending Oct. 31, 1919	1,287.14	45.52	867.75	2,200.41
.....	.....	.....	214.38	214.38
.....	.....	.....	1,434.14	1,434.14
4 years ending Oct. 31, 1920	923.72	54.57	560.06	1,538.35
6 " " " 1922	2,885.35	356.11	1,481.76	4,723.22
6 " " " 1922	3,009.17	300.30	2,063.01	5,372.48
.....	.....	.....	81.54	81.54
3 years ending Oct. 31, 1919	2,033.48	80.70	1,198.34	3,312.52
3 " " " 1919	2,061.68	86.00	856.07	3,003.75
3 " " " 1919	2,085.95	77.17	993.63	3,156.75
7 " " " 1923	9,295.01	1,031.29	7,391.34	17,717.64
4 " " " 1920	13,065.08	709.55	37,099.92	50,874.55
1 " " " 1918	401.72	.....	436.60	838.32
3 " " " 1919	852.45	34.51	372.63	1,259.59
2 " " " 1918	182.20	2.59	195.82	380.61
6 " " " 1922	707.75	70.48	703.83	1,482.06
3 " " " 1919	10,269.86	391.11	19,176.37	29,837.34
.....	.....	.....	.....	.....
4 years ending Oct. 31, 1920	2,734.21	152.37	1,410.00	4,296.58
3 " " " 1919	974.69	42.20	741.15	1,758.04
1 " " " 1917	188.70	.....	343.91	532.61
3 " " " 1919	221.72	8.77	96.99	327.48
.....	.....	.....	453.69	453.69
4 years ending Oct. 31, 1920	315.00	18.21	184.73	517.94
.....	.....	.....	377.56	377.56
3 years ending Oct. 31, 1919	1,335.88	46.56	1,294.69	2,677.13
4 " " " 1920	374.41	27.43	185.64	587.48
1 " " " 1917	13.44	.....	204.15	217.59
7 " " " 1923	6,303.54	841.40	8,462.81	15,607.75
.....	.....	.....	2,124.36	2,124.36
3 years ending Oct. 31, 1919	998.76	35.90	819.33	1,853.99
5 " " " 1921	3,275.87	252.35	2,813.30	6,341.52
4 " " " 1920	2,758.97	162.63	1,740.80	4,662.40
4 " " " 1920	1,292.90	80.81	353.15	1,726.86
1 " " " 1917	34.81	.....	3,756.63	3,791.44
2 " " " 1918	3,337.64	101.90	1,462.17	4,901.71
4 " " " 1920	2,177.54	130.93	1,577.66	3,886.13
1 " " " 1923	2,711.92	5.48	2,172.39	4,889.79
1 " " " 1917	581.52	.....	890.40	1,471.92
7 " " " 1923	27,609.21	3,152.07	25,388.08	56,149.36
5 " " " 1921	7,266.94	557.29	4,120.43	11,944.66
.....	.....	.....	481.99	481.99
4 years ending Oct. 31, 1920	9,225.29	514.45	3,466.41	13,206.15
2 " " " 1918	433.25	7.66	331.26	772.17
7 " " " 1923	26,177.66	2,898.16	31,979.89	61,055.71
5 " " " 1921	3,232.89	230.74	2,920.89	6,384.52
7 " " " 1923	83,639.91	8,092.20	136,091.27	227,823.38
2 " " " 1918	1,431.05	29.62	1,437.11	2,897.78

NIAGARA

Statement showing the total Sinking Fund requirements to be met by each Municipality Commission under Section 23 of the Act, Sinking Fund payments made by total of such Sinking Fund payments including

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b) Amount	(a) For period of	(b) Amount
		$ c.		$ c.
Hensall	7 years ending Oct. 31, 1923	3,534.98	5 years ending Oct. 31, 1923	2,303.69
Hespeler	7 " " " "	4,153.25	.....	.....
Highgate	7 " " " "	2,087.52	5 years ending Oct. 31, 1923	1,453.00
Ingersoll	7 " " " "	10,537.53	.....	.....
Kitchener	7 " " " "	50,134.08	.....	.....
Lambeth	7 " " " "	1,173.26	4 years ending Oct. 31, 1923	733.18
Listowel	7 " " " "	8,480.02	5 " " " "	6,764.03
London	7 " " " "	100,253.67	.....	.....
London Ry. C.	7 " " " "	17,714.49	3 years ending Oct. 31, 1923	7,345.85
Lucan	7 " " " "	3,259.33	4 " " " "	1,971.70
Lynden	7 " " " "	3,075.12	4 " " " "	1,710.66
Markham	4 " " " "	1,315.72	4 " " " "	1,315.72
Merlin	1 " " " "	425.73	1 " " " "	425.73
Milton	7 " " " "	9,232.61	2 " " " "	3,611.85
Milverton	7 " " " "	5,532.45	5 " " " "	4,278.01
Mimico	7 " " " "	4,028.77	1 " " " "	1,342.97
Mitchell	7 " " " "	3,834.27	.....	.....
Moorefield	6 " " " "	1,435.34	6 years ending Oct. 31, 1923	1,435.34
Mt. Brydges	7 " " " "	1,339.75	4 " " " "	673.39
Newbury	3 " " " "	415.66	3 " " " "	415.66
New Hamburg	7 " " " "	4,088.66	.....	.....
New Toronto	7 " " " "	26,355.37	3 years ending Oct. 31, 1923	11,248.60
Niagara Falls	7 " " " "	3,525.74	4 " " " "	2,426.78
Niagara-on-L.	5 " " " "	633.23	5 " " " "	633.23
Norwich	7 " " " "	4,121.60	1 " " " "	679.80
Oil Springs	6 " " " "	3,154.64	6 " " " "	3,154.64
Otterville	7 " " " "	982.69	5 " " " "	794.84
Palmerston	7 " " " "	4,351.55	5 " " " "	3,187.48
Paris	7 " " " "	5,679.55	3 " " " "	3,053.96
Parkhill	4 " " " "	2,122.03	4 " " " "	2,122.03
Petrolia	7 " " " "	11,230.84	5 " " " "	8,163.16
Plattsville	7 " " " "	2,521.72	3 " " " "	686.73
Point Edward	7 " " " "	2,521.01	5 " " " "	2,023.06
Port Credit	7 " " " "	1,289.43	1 " " " "	308.12
Port Dover	2 " " " "	715.01	2 " " " "	715.01
Port Stanley	7 " " " "	4,746.34	1 " " " "	730.70
Preston	7 " " " "	13,933.53	.....	.....
Princeton	7 " " " "	1,143.90	3 years ending Oct. 31, 1923	493.03
Queenston	3 " " " "	42.21	3 " " " "	42.21
Ridgetown	7 " " " "	4,945.85	4 " " " "	2,836.62
Riverside	1 " " " "	618.10	.....	.....
Rockwood	7 " " " "	1,618.97	2 years ending Oct. 31, 1923	518.91
Rodney	7 " " " "	1,861.15	6 " " " "	1,599.49
St. Clair Beach	1 " " " "	103.84	.....	.....
St. George	7 " " " "	1,694.17	4 years ending Oct. 31, 1923	939.00
St. Jacobs	7 " " " "	1,177.56	6 " " " "	1,131.74
St. Marys	7 " " " "	10,287.34	.....	.....
St. Thomas	7 " " " "	27,104.13	.....	.....
Sarnia	7 " " " "	50,459.12	5 years ending Oct. 31, 1923	39,320.87
Scarboro Twp.	4 " " " "	1,009.49	4 " " " "	1,009.49

SYSTEM—Continued **SINKING FUND**

pality, Sinking Fund requirements the payment of which has been deferred by the certain Municipalities which have been operating more than five years and the interest allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Sinking fund paid by each municipality as part of the cost of power supplied by Ontario Power Co. and Toronto Power Co.	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount			
	$ c.	$ c.	$ c.	$ c.
2 years ending Oct. 31, 1918	1,231.29	32.42	409.55	1,673.26
7 " " " 1923	4,153.25	498.53	3,216.07	7,867.85
2 " " " 1918	634.52	9.04	349.68	993.24
7 " " " 1923	10,537.53	1,310.05	7,991.12	19,838.70
7 " " " 1923	50,134.08	5,386.09	53,201.79	108,721.96
3 " " " 1919	440.08	18.47	235.79	694.34
2 " " " 1918	1,715.99	33.40	3,052.03	4,801.42
7 " " " 1923	100,253.67	11,079.39	107,667.71	219,000.77
4 " " " 1920	10,368.64	640.85	7,659.61	18,669.10
3 " " " 1919	1,287.63	53.77	1,194.56	2,535.96
3 " " " 1919	1,364.46	54.46	719.20	2,138.12
.....	.....	.....	484.84	484.84
.....	.....	.....	176.99	176.99
5 years ending Oct. 31, 1921	5,620.76	411.94	6,212.25	12,244.95
2 " " " 1918	1,254.44	19.54	2,424.51	3,698.49
6 " " " 1922	2,685.80	199.54	4,227.97	7,113.31
7 " " " 1923	3,834.27	468.66	1,623.76	5,926.69
.....	.....	.....	221.45	221.45
3 years ending Oct. 31, 1919	666.36	26.61	202.21	895.18
.....	.....	.....	147.21	147.21
7 years ending Oct. 31, 1923	4,088.66	492.58	1,845.92	6,427.16
4 " " " 1920	15,106.77	645.00	16,937.15	32,688.92
3 " " " 1919	1,098.96	36.61	29,267.73	30,403.30
.....	.....	.....	1,319.26	1,319.26
6 years ending Oct. 31, 1922	3,441.80	347.90	1,876.94	5,666.64
.....	.....	.....	1,444.35	1,444.35
2 years ending Oct. 31, 1918	187.85	2.42	283.34	473.61
2 " " " 1918	1,164.07	27.16	1,404.03	2,595.26
4 " " " 1920	2,625.59	132.65	6,187.28	8,945.52
.....	.....	.....	416.70	416.70
2 years ending Oct. 31, 1918	3,067.68	61.47	4,536.31	7,665.46
4 " " " 1920	1,834.99	114.75	245.49	2,195.23
2 " " " 1918	497.95	10.21	963.37	1,471.53
6 " " " 1922	981.31	69.18	1,010.04	2,060.53
.....	.....	.....	351.67	351.67
6 years ending Oct. 31, 1922	4,015.64	406.63	1,434.78	5,857.05
7 " " " 1923	13,933.53	1,740.36	12,765.78	28,439.67
4 " " " 1920	650.87	43.73	132.60	827.20
.....	.....	.....	226.71	226.71
3 years ending Oct. 31, 1919	2,109.23	88.42	1,502.83	3,700.48
1 " " " 1923	618.10	3.02	385.02	1,006.14
5 " " " 1921	1,100.06	82.60	387.89	1,570.55
1 " " " 1917	261.66	.....	453.76	715.42
1 " " " 1923	103.84	.....	57.81	161.65
3 " " " 1919	755.17	26.90	527.32	1,309.39
1 " " " 1917	45.82	.....	444.24	490.06
7 " " " 1923	10,287.34	1,173.42	5,943.87	17,404.63
7 " " " 1923	27,104.13	3,340.74	20,104.25	50,549.12
2 " " " 1918	11,138.25	221.27	22,711.40	34,070.92
.....	.....	.....	2,159.62	2,159.62

NIAGARA

Statement showing the total Sinking Fund requirements to be met by each Municipality Commission under Section 23 of the Act, Sinking Fund payments made by total of such Sinking Fund payments including

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b) Amount	(a) For period of	(b) Amount
		$ c.		$ c.
Seaforth	7 years ending Oct. 31, 1923	9,599.98		
Simcoe	7 " " " "	3,241.53	4 years ending Oct. 31, 1923	2,312.27
Springfield	7 " " " "	1,181.36	6 " " " "	1,160.69
Stamford Twp	7 " " " "	980.06	5 " " " "	735.52
Stouffville	1 " " " "	33.96	1 " " " "	33.96
Stratford	7 " " " "	28,492.34		
Strathroy	7 " " " "	9,360.74	3 years ending Oct. 31, 1923	4,285.94
Streetsville	4 " " " "	2,835.96		
Sutton	1 " " " "	63.81	1 years ending Oct. 31, 1923	63.81
Tavistock	7 " " " "	5,311.11	5 " " " "	4,094.63
Tecumseh	1 " " " "	326.54		
Thamesford	7 " " " "	2,493.57	2 years ending Oct. 31, 1923	1,130.06
Thamesville	7 " " " "	2,107.02	4 " " " "	1,151.89
Thedford	2 " " " "	701.06	2 " " " "	701.06
Thorndale	7 " " " "	2,525.81	3 " " " "	827.02
Thorold	1 " " " "	47.15		
Tilbury	7 " " " "	3,595.56	4 years ending Oct. 31, 1923	2,079.95
Tillsonburg	7 " " " "	8,850.24		
Toronto	7 " " " "	383,394.94		
Toronto Twp	7 " " " "	2,427.71	2 years ending Oct. 31, 1923	1,064.18
Walkerville	7 " " " "	72,829.85	3 " " " "	29,464.18
Wallaceburg	7 " " " "	15,059.72	4 " " " "	8,888.36
Wardsville	3 " " " "	274.79	3 " " " "	274.79
Waterdown	7 " " " "	1,950.87		
Waterford	7 " " " "	2,350.44	4 years ending Oct. 31, 1923	1,356.44
Waterloo	7 " " " "	10,624.11		
Watford	7 " " " "	3,975.97	6 years ending Oct. 31, 1923	3,836.23
Welland	7 " " " "	12,710.51	6 " " " "	12,465.39
Wellesley	7 " " " "	3,501.07	5 " " " "	2,557.12
West Lorne	7 " " " "	2,442.59	5 " " " "	2,093.00
Weston	7 " " " "	10,658.96		
Windsor	7 " " " "	87,899.83	3 years ending Oct. 31, 1923	50,579.87
Woodbridge	7 " " " "	2,944.72	3 " " " "	1,433.73
Woodstock	7 " " " "	13,290.56		
Wyoming	7 " " " "	1,691.76	5 years ending Oct. 31, 1923	1,130.05
Zurich	7 " " " "	3,230.23	6 " " " "	3,030.83
S. Dorchester	1 " " " "	48.19	1 " " " "	48.19
Rural power Districts—				
Aylmer	7 " " " "	492.89		
Baden	2 " " " "	394.10		
Beamsville	1 " " " "	886.89		
Belle River	1 " " " "	399.97		
Brant	10 " " " "	487.28		
Chatham	8 " " " "	849.97		
Delaware	1 " " " "	282.40		
Dorchester	2 " " " "	1,391.76		
Drumbo	2 " " " "	318.74		
Dundas	3 " " " "	700.40		

SYSTEM—Continued SINKING FUND

pality, Sinking Fund requirements the payment of which has been deferred by the certain Municipalities which have been operating more than five years and the interest allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Sinking fund paid by each municipality as part of the cost of power supplied by Ontario Power Co. and Toronto Power Co.	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount			
	$ c.	$ c.	$ c.	$ c.
7 years ending Oct. 31, 1923	9,599.98	1,361.10	2,642.53	13,603.61
3 " " " 1919	929.26	35.48	2,379.30	3,344.04
1 " " " 1917	20.62	.....	174.12	194.74
2 " " " 1918	244.54	2.58	3,537.30	3,784.42
.....	.....	.....	11.78	11.78
7 years ending Oct. 31, 1923	28,492.34	2,961.09	21,892.67	53,346.10
4 " " " 1920	5,074.80	305.49	3,173.60	8,553.89
4 " " " 1923	2,835.96	148.95	2,031.13	5,016.04
.....	.....	.....	13.92	13.92
2 years ending Oct. 31, 1918	1,216.48	17.20	1,788.23	3,021.91
1 " " " 1923	326.54	2.12	163.61	492.27
5 " " " 1921	1,363.51	76.77	689.51	2,129.79
3 " " " 1919	955.13	41.85	550.85	1,547.83
.....	.....	.....	131.14	131.14
4 years ending Oct. 31, 1920	1,698.79	119.56	349.24	2,167.59
1 " " " 1923	47.15	.....	1,775.22	1,822.37
3 " " " 1919	1,515.61	61.71	1,315.53	2,892.85
7 " " " 1923	8,850.24	1,171.64	3,104.89	13,126.77
7 " " " 1923	383,394.94	40,043.46	638,761.20	1,062,199.60
5 " " " 1921	1,363.53	90.42	2,171.38	3,625.33
4 " " " 1920	43,365.67	2,944.46	30,211.24	76,521.37
3 " " " 1919	6,171.36	223.25	5,832.85	12,227.46
.....	.....	.....	64.28	64.28
7 years ending Oct. 31, 1923	1,950.87	227.87	952.03	3,130.77
3 " " " 1919	994.00	38.18	1,196.26	2,228.44
7 " " " 1923	10,624.11	1,178.11	10,593.41	22,395.63
1 " " " 1917	139.74	.....	516.44	656.18
1 " " " 1917	245.12	.....	14,039.61	14,284.73
2 " " " 1918	943.95	15.99	936.97	1,896.91
2 " " " 1918	349.59	6.46	1,212.91	1,568.96
7 " " " 1923	10,658.96	1,111.66	9,153.11	20,923.73
4 " " " 1920	37,319.96	2,331.78	51,041.29	90,693.03
4 " " " 1920	1,510.99	82.10	1,368.48	2,961.57
7 " " " 1923	13,290.56	1,463.98	15,267.11	30,021.65
2 " " " 1918	561.71	12.87	282.51	857.09
1 " " " 1917	199.40	.....	389.22	588.62
.....	.....	.....	9.38	9.38
7 years ending Oct. 31, 1923	492.89	43.69	35.45	572.03
2 " " " 1923	394.10	7.46	108.75	510.31
1 " " " 1923	886.89	.....	129.17	1,016.06
1 " " " 1923	399.97	.....	70.65	470.62
10 " " " 1923	487.28	19.00	80.46	586.74
8 " " " 1923	849.97	27.57	169.42	1,046.96
1 " " " 1923	282.40	.....	27.12	309.52
2 " " " 1923	1,391.76	16.32	285.35	1,693.43
2 " " " 1923	318.74	2.51	41.19	362.44
3 " " " 1923	700.40	21.64	72.47	794.51

NIAGARA

Statement showing the total Sinking Fund requirements to be met by each Municipality under Commission under Section 23 of the Act, Sinking Fund payments made by total of such Sinking Fund payments including

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b) Amount	(a) For period of	(b) Amount
		$ c.		$ c.
Exeter	1 years ending Oct. 31, 1923	386.66		
Galt	2 " " " "	87.44		
Homer	1 " " " "	65.91		
Ingersoll	10 " " " "	144.52		
Jordan	2 " " " "	247.89		
London	1 " " " "	118.05		
Lynden	2 " " " "	275.21		
Markham	1 " " " "	244.95		
Niagara	2 " " " "	257.96		
Petrolia	1 " " " "	12.59		
Preston	2 " " " "	1,414.61		
Ridgetown	2 " " " "	717.06		
St. Jacobs	1 " " " "	131.86		
St. Thomas	1 " " " "	60.29		
Saltfleet	2 " " " "	3,849.07		
Sandwich	2 " " " "	202.68		
Sarnia	1 " " " "	78.11		
Simcoe	1 " " " "	89.15		
Stamford	2 " " " "	318.31		
Streetsville	1 " " " "	19.86		
Tavistock	1 " " " "	101.13		
Wallaceburg	1 " " " "	132.20		
Waterdown	1 " " " "	92.95		
Welland	2 " " " "	114.89		
Woodbridge	1 " " " "	45.95		
Woodstock	11 " " " "	1,625.53		
Municipalities which are supplied with power directly from the Ontario Power Co.				
Merritton	3 years ending Oct. 31, 1923	152.08		
Port Colborne	3 " " " "	863.10		
St. Catharines	10 " " " "	3,293.83		
Chippawa Village	2 " " " "	120.94		
Chippawa R.P.D.	2 " " " "	459.95		
Welland (Port Robinson)	11 " " " "	1,551.87		
Grantham Tp.	9 " " " "	4,222.83		
Port Dalhousie	9 " " " "	949.35		
Totals—Municipalities		1,531,166.59		384,307.08
Totals—Companies (from commencement of operation)		353,905.26		
Grand Totals		1,885,071.85		384,307.08

SYSTEM—Continued SINKING FUND

pality, Sinking Fund requirements the payment of which has been deferred by the certain Municipalities which have been operating more than five years and the interest allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Sinking fund paid by each municipality as part of the cost of power supplied by Ontario Power Co. and Toronto Power Co.	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount			
	$ c.	$ c.	$ c.	$ c.
1 years ending Oct. 31, 1923	386.66	.....	64.76	451.42
2 " " " 1923	87.44	0.20	28.51	116.15
1 " " " 1923	65.91	.....	10.00	75.91
10 " " " 1923	144.52	28.63	4.28	177.43
3 " " " 1923	247.89	0.68	15.24	263.81
1 " " " 1923	118.05	.....	18.73	136.78
2 " " " 1923	275.21	4.39	41.01	320.61
1 " " " 1923	244.95	.....	32.29	277.24
2 " " " 1923	257.96	4.63	100.66	363.25
1 " " " 1923	12.59	.....	1.25	13.84
2 " " " 1923	1,414.61	25.65	525.00	1,965.26
2 " " " 1923	717.06	6.55	100.71	824.32
1 " " " 1923	131.86	.....	23.01	154.88
1 " " " 1923	60.29	.....	8.92	69.21
2 " " " 1923	2,849.07	36.28	558.52	3,443.87
2 " " " 1923	202.68	1.11	66.04	269.83
1 " " " 1923	78.11	.....	16.41	94.52
1 " " " 1923	89.15	.....	18.38	107.53
2 " " " 1923	318.31	4.76	87.55	410.62
1 " " " 1923	19.86	.....	0.54	20.40
1 " " " 1923	101.13	.....	15.52	116.65
1 " " " 1923	132.20	.....	22.48	154.68
1 " " " 1923	92.95	.....	13.20	106.15
2 " " " 1923	144.89	1.45	26.90	143.24
1 " " " 1923	45.95	.....	.....	45.95
11 " " " 1923	1,625.53	106.50	171.81	1,903.84
3 years ending Oct. 31, 1923	152.08	7.44	1,574.05	1,733.57
3 " " " 1923	863.10	48.69	2,786.95	3,698.74
10 " " " 1923	3,293.83	309.34	23,770.71	27,373.88
2 " " " 1923	120.94	2.57	521.52	645.03
2 " " " 1923	459.95	4.17	109.88	574.00
11 " " " 1923	1,551.87	245.36	1,422.99	3,220.22
7 " " " 1923	4,222.83	676.81	248.43	5,148.07
9 " " " 1923	949.35	166.42	888.92	2,004.69
	1,146,859.51	108,109.72	1,517,500.09	2,772,469.32
	353,905.26	57,948.54	.....	411,853.80
	1,500,764.77	166,058.26	1,517,500.09	3,184,323.12

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1923, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1922		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Acton	Jan., 1913	341.76			341.76
Agincourt	Nov., 1922				
Ailsa Craig	Jan., 1916	214.08			214.08
Alvinston	April, 1922		554.37	554.37	
Aylmer	Mar., 1918	733.48			733.48
Ayr	Jan., 1915	424.13			424.13
Baden	May, 1912	53.55			53.55
Beachville	Aug., 1912	515.72			515.72
Belle River	Dec., 1922				
Blenheim	Nov., 1915	1,320.49			1,320.49
Bolton	Feb., 1915		1,693.76		1,022.35
Bothwell	Sept., 1915	1,156.53			1,156.53
Brampton	Nov., 1911		2,091.19	2,053.89	
Brantford	Feb., 1914		3,197.53	3,197.53	64.61
Brigden	Jan., 1918		1,566.89	966.89	
Burford	June, 1915		2,182.01	2,188.42	
Burgessville	Nov., 1916		77.60	77.60	
Caledonia	Oct., 1912	107.99			107.99
Chatham	Feb., 1915	4,185.04			4,185.04
Chippawa	Sept., 1919	366.24			721.85
Clinton	Mar., 1914		369.30	369.30	
Comber	May, 1915		672.36	679.69	
Dashwood	Sept., 1917		20.39	20.39	
Delaware	Mar., 1915	332.37			332.37
Dereham Township	Sept., 1919		1,978.78		
Dorchester	Dec., 1914	64.43			64.43
Drayton	Mar., 1918	361.24			361.24
Dresden	April, 1915	113.64			113.64
Drumbo	Dec., 1914	278.68			278.68
Dublin	Oct., 1917		1,021.89		
Dundas	Jan., 1911		1,747.63	1,747.63	
Dunnville	June, 1918		2,246.83		
Dutton	Sept., 1915	91.80			91.80
Elmira	Nov., 1913	1,548.71			1,548.71
Elora	Nov., 1914	1,502.99			1,502.99
Embro	Jan., 1915		1,314.06	283.20	
Etobicoke Township	Aug., 1917		1,150.95	1,150.95	
Exeter	June, 1916		1,699.96	1,699.96	
Fergus	Nov., 1914	689.82			689.82
Ford City	Nov., 1922				
Forest	Mar., 1917	741.61			741.61
Galt	May, 1911		5,332.77	5,332.77	
Georgetown	Sept., 1913	75.59			75.59
Glencoe	Aug., 1920	999.01			999.01
Goderich	Feb., 1914		10,175.45		
Grantham Township	May, 1915		309.23		
Granton	July, 1916	148.22			148.22
Guelph	Dec., 1910		6,326.43	6,326.43	
Hagersville	Sept., 1913	2,180.91			2,180.91
Hamilton	Feb., 1911		54,120.49	482.30	

SYSTEM **CREDIT OR CHARGE**

supplied to it to October 31, 1922, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
7.94	.....	1,773.38	.....	1,781.32	.....
.....	.....	444.29	.....	444.29	.....
5.32	.....	78.10	.....	83.42	.....
.....	16.16	1,853.99	.....	1,837.83	.....
18.25	.....	1,903.28	.....	1,921.53	.....
10.22	.....	1,029.09	.....	1,039.31	.....
1.24	.....	489.39	.....	490.63	.....
11.98	.....	1,646.57	.....	1,658.55	.....
.....	.....	2,084.08	.....	2,084.08	.....
35.02	.....	1,074.67	.....	1,109.69	.....
.....	84.32	1,956.47	.....	.....	843.96
28.56	.....	1,613.48	.....	1,642.04	.....
.....	50.33	.....	783.13	.....	870.76
.....	84.09	5,456.60	.....	5,307.90	.....
.....	.... 40.73	.....	424.81	.....	1,065.54
.....	23.48	638.12	.....	621.05	.....
.....	3.01	298.78	.....	295.77	.....
2.68	.....	371.29	.....	373.97	.....
97.81	.....	11,298.05	.....	11,395.86	.....
5.48	.....	.....	321.74	.....	671.87
.....	8.78	1,072.75	.....	1,063.97	.....
.....	6.61	1,013.76	.....	1,014.48	.....
.....	0.53	80.33	.....	79.80	.....
9.56	.....	465.51	.....	475.07	.....
.....	79.15	.....	495.05	.....	2,552.98
1.60	.....	193.26	.....	194.86	.....
8.54	.....	252.67	.....	261.21	.....
2.83	.....	682.71	.....	685.54	.....
7.04	.....	279.91	.....	286.95	.....
.....	40.88	91.11	.....	.....	971.66
.....	44.43	1,966.24	.....	1,921.81	.....
.....	89.87	2,751.03	.....	414.33	.....
2.28	.....	398.96	.....	401.24	.....
36.03	.....	3,113.10	.....	3,149.13	.....
39.93	.....	1,468.19	.....	1,508.12	.....
.....	52.19	278.19	.....	.....	804.86
.....	26.74	3,114.47	.....	3,087.73	.....
.....	42.85	2,788.75	.....	/ 2,745.90	.....
17.16	.....	1,550.91	.....	1,568.07	.....
.....	.....	5,018.75	.....	5,018.75	.....
19.13	.....	508.81	.....	527.94	.....
.....	160.13	7,493.70	.....	7,333.57	.....
1.97	.....	1,245.22	.....	1,247.19	.....
25.55	.....	1,006.42	.....	1,031.97	.....
.....	407.02	2,348.96	.....	.....	8,233.51
.....	12.37	.....	747.54	.....	1,069.14
3.69	.....	107.68	.....	111.37	.....
.....	240.58	6,602.52	.....	6,361.94	.....
59.47	.....	919.64	.....	979.11	.....
.....	2,156.73	.....	18,231.01	.....	74,025.93

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1923, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1922		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Harriston	July, 1916	34.79			34.79
Hensall	Jan., 1917		516.87	516.87	
Hespeler	Feb., 1911		72.21	72.21	
Highgate	Dec., 1916	46.97			46.97
Ingersoll	May, 1911	442.76			442.76
Kitchener	Jan., 1911		17,929.24	5,552.32	
Lambeth	April, 1915	1,007.07			1,007.07
Listowel	June, 1916		299.92	299.92	
London	Jan., 1911		14,871.34	14,871.34	
London Railway Commission	Aug., 1914		8,295.07		
Lucan	Feb., 1915		63.14	63.14	
Lynden	Nov., 1915	396.82			396.82
Markham	April, 1920	2,316.18			2,316.18
Merlin	Dec., 1922				
Merritton	Nov., 1920		527.79	720.88	
Milton	April, 1913	705.42			705.42
Milverton	June, 1916	32.21			32.21
Mimico	May, 1912		1,679.69		
Mitchell	Sept., 1911	44.20			44.20
Moorefield	Mar., 1918		156.49	156.49	
Mount Brydges	Mar., 1915	202.35			202.35
Newbury	Mar., 1921	268.47			268.47
New Hamburg	Mar., 1911		36.42	36.42	
New Toronto	Feb., 1914		7,030.08	7,030.08	
Niagara Falls	Dec., 1915		12,049.42		
Niagara-on-Lake	Aug., 1919	187.53			187.53
Norwich	May, 1912		102.06	102.06	
Oil Springs	Feb., 1918	1,864.82			1,864.82
Otterville	Feb., 1916	42.03			42.03
Palmerston	July, 1916	351.16			351.16
Paris	Feb., 1914		628.60	628.60	
Parkhill	May, 1920	607.75			607.75
Petrolia	May, 1916	638.99			638.99
Plattsville	Dec., 1914		1,440.31		
Point Edward	—— 1917				
Port Colborne	Mar., 1920		556.29		
Port Credit	Aug., 1912		975.51		
Port Dalhousie	Nov., 1912		492.90	714.19	
Port Dover	Dec., 1921	233.20			233.20
Port Robinson	Mar., 1913		695.89		
Port Stanley	April, 1912	890.86			890.86
Preston	Jan., 1911	130.36			130.36
Princeton	Jan., 1915		384.86	384.86	
Queenston	Mar., 1921		115.88	115.88	
Ridgetown	Dec., 1915	644.58			644.58
Riverside	Nov., 1922				
Rockwood	Sept., 1913		678.83	678.83	
Rodney	Feb., 1917	388.22			388.22
St. Catharines			10,720.94	10,720.94	
St. Clair Beach	Nov., 1922				

SYSTEM—Continued **CREDIT OR CHARGE**

supplied to it to October 31, 1922, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
0.87	.....	603.14	.....	604.01	.....
.....	15.95	706.02	.....	690.07	.....
1.70	.....	994.69	.....	996.39	.....
0.14	.....	446.82	.....	446.96	.....
11.01	.....	3,612.04	.....	3,623.05	.....
.....	590.31	13,873.57	.....	906.34	.....
22.76	.....	1,121.13	.....	1,143.89	.....
.....	8.41	393.30	.....	384.89	.....
.....	347.13	.....	2,487.74	.....	2,834.87
.....	331.80	.....	10,499.68	.....	19,126.55
.....	1.46	59.93	.....	58.47	.....
11.26	.....	446.87	.....	458.13	.....
76.42	.....	1,002.33	.....	1,078.75	.....
.....	.....	981.16	.....	981.16	.....
.....	19.37	4.29	.....	178.01	.....
17.54	.....	1,108.96	.....	1,126.50	.....
0.75	.....	.....	489.41	.....	488.66
.....	67.19	1,407.97	.....	.....	338.91
1.03	.....	521.06	.....	522.09	.....
.....	3.61	49.53	.....	45.92	.....
5.12	.....	467.50	.....	472.62	.....
7.24	.....	433.20	.....	440.44	.....
.....	0.97	735.42	.....	734.45	.....
.....	188.75	2,762.62	.....	2,573.87	.....
.....	481.98	114.19	.....	.....	12,417.21
4.35	.....	620.76	.....	625.11	.....
.....	3.40	1,820.71	.....	1,817.31	.....
45.78	.....	2,564.19	.....	2,609.97	.....
1.10	.....	294.49	.....	295.59	.....
8.23	.....	656.30	.....	664.53	.....
.....	16.39	1,873.49	.....	1,857.10	.....
16.15	.....	793.61	.....	809.76	.....
14.85	.....	3,259.66	.....	3,274.51	.....
.....	57.61	218.90	.....	.....	1,279.02
.....	.....	434.26	.....	434.26	.....
.....	22.25	312.79	.....	.....	265.75
.....	39.02	605.19	.....	.....	409.34
.....	18.06	.....	849.17	.....	645.94
6.08	.....	1,244.21	.....	1,250.29	.....
.....	27.83	.....	192.35	.....	916.07
23.38	.....	1,230.89	.....	1,254.27	.....
3.23	.....	2,231.94	.....	2,235.17	.....
.....	8.89	307.79	.....	298.90	.....
.....	2.95	2.72	.....	.....	0.23
15.30	.....	2,060.13	.....	2,075.43	.....
.....	.....	1,524.68	.....	1,524.68	.....
.....	25.90	458.98	.....	433.08	.....
10.22	.....	47.40	.....	57.62	.....
.....	418.40	3,254.75	.....	2,836.35	.....
.....	.....	1,011.50	.....	1,011.50	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1923, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1922		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
St. George	Sept., 1915	576.54			576.54
St. Jacobs	Sept., 1917	262.12			262.12
St. Marys	May, 1911	536.58			536.58
St. Thomas	April, 1911	759.42			759.42
Sarnia	Dec., 1916	3,417.37			3,417.37
Scarboro Township	Aug., 1918	661.49			661.49
Seaforth	Nov., 1911		192.89	192.89	
Simcoe	Aug., 1915	723.14			723.14
Springfield	Aug., 1917	135.83			135.83
Stamford Township	Nov., 1916		231.86	231.86	
Stouffville	Sept., 1923				
Stratford	Jan., 1911		1,272.74	1,272.74	
Strathroy	Dec., 1914	368.39			368.39
Streetsville		5,151.35			
Sutton	Aug., 1923				
Tavistock	Nov., 1916	6.15			6.15
Tecumseh	Nov., 1922				
Thamesford	Feb., 1914	866.94			866.94
Thamesville	Oct., 1915	717.01			717.01
Thedford	May, 1922	152.41			152.41
Thorold					
Thorndale	Mar., 1914		1,222.11		
Tilbury	April, 1915	2,106.73			2,106.73
Tillsonburg	Aug., 1911		1,131.98	1,131.98	
Toronto	June, 1911		144,119.29	144,119.29	
Toronto Township	Aug., 1913	9.43			9.43
Walkerville	Nov., 1914	13,100.30			13,100.30
Wallaceburg	Feb., 1915	514.28			514.28
Wardsville	June, 1921		47.33	47.33	
Waterdown	Nov., 1911	47.25			47.25
Waterford	April, 1915	581.51			581.51
Waterloo	Dec., 1910		2,183.84	2,183.84	
Watford	Sept., 1917	1,599.83			1,599.83
Welland	Sept., 1917		7,609.08		
Wellesley	Nov., 1916		193.12	193.12	
West Lorne	Jan., 1917	1,123.81			1,123.81
Weston	Jan., 1911		830.62		
Windsor	Oct., 1914	25,331.00			25,331.00
Woodbridge	Dec., 1914		146.11	146.11	
Woodstock	Jan., 1911		785.27	785.27	
Wyoming	Nov., 1916		1,721.52	1,000.00	
Zurich	Sept., 1917	191.16			191.16
Rural Power Districts—					
Aylmer	Nov., 1920		1,339.84		
Baden			388.52		
Beamsville	Jan., 1923				
Belle River	Dec., 1922				
Brant	Oct., 1914	694.68			15.41

SYSTEM—Continued **CREDIT OR CHARGE**

supplied to it to October 31, 1922, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
15.69	.....	.....	13.85	1.84	.....
6.38	.....	61.92	.....	68.30	.....
12.47	.....	.....	185.20	.....	172.73
18.88	.....	7,347.06	.....	7,365.94	.....
85.01	.....	10,003.86	.....	10,088.87	.....
17.46	.....	2,030.14	.....	2,047.60	.....
.....	5.22	504.31	.....	499.09	.....
18.66	.....	2,091.44	.....	2,110.30	.....
3.23	.....	.....	316.47	.....	313.24
.....	6.28	590.52	.....	584.24	.....
.....	.....	152.32	.....	152.32	.....
.....	42.40	2,520.53	.....	2,478.13	.....
8.55	.....	1,991.58	.....	2,000.13	.....
206.05	.....	607.49	.....	5,964.89	.....
.....	.....	.....	183.76	.....	183.76
0.15	.....	.....	1,425.61	.....	1,425.46
.....	.....	995.09	.....	995.09	.....
21.25	.....	526.94	.....	548.19	.....
19.03	.....	511.02	.....	530.05	.....
3.52	.....	1,652.80	.....	1,656.32	.....
.....	.....	1,221.48	.....	1,221.48	.....
.....	48.88	.....	67.39	.....	1,338.38
53.90	.....	2,450.25	.....	2,504.15	.....
.....	27.73	3,917.81	.....	3,890.08	.....
.....	5,354.13	11,686.21	.....	6,332.08	.....
0.23	.....	.....	29.23	.....	29.00
304.34	.....	18,933.45	.....	19,237.79	.....
12.78	.....	386.97	.....	399.75	.....
.....	1.22	84.58	.....	83.36	.....
1.22	.....	.....	196.06	.....	194.84
14.45	.....	636.15	.....	650.60	.....
.....	60.78	3,766.79	.....	3,706.01	.....
41.48	.....	1,910.29	.....	1,951.77	.....
.....	304.36	2,805.09	.....	.....	5,108.35
.....	5.18	73.92	.....	68.74	.....
27.59	.....	408.20	.....	435.79	.....
.....	33.22	6,830.82	.....	5,966.98	.....
588.51	.....	53,859.95	.....	54,448.46	.....
.....	3.40	1,249.60	.....	1,246.20	.....
.....	19.96	5,546.31	.....	5,526.35	.....
.....	66.43	199.31	.....	.....	588.64
4.43	.....	421.92	.....	426.35	.....
.....	53.59	.....	414.24	.....	1,807.67
.....	15.54	.....	181.09	.....	585.15
.....	.....	1,734.71	.....	1,734.71	.....
.....	.....	1,965.95	.....	1,965.95	.....
27.79	.....	1,453.31	.....	2,160.37	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1923, and the accumulated amount standing

Rural Power Districts	Date commenced operating	Net credit or charge at October 31, 1922		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Chatham	May, 1922	873.10			
Chippawa	July, 1922	464.73			
Delaware	Oct., 1922				
Dorchester	Dec., 1921	3,548.96			
Drumbo	Aug., 1922	143.30			
Dundas	Jan., 1921	1,335.81			
Exeter	Nov., 1922				
Galt	Oct., 1922	56.71			
Homer	Nov., 1922				
Ingersoll	Oct., 1914	297.96			
Jordan	May, 1922	153.55			
London	Nov., 1922				
Lynden	Feb., 1922	120.73			
Markham	Dec., 1922				
Niagara	Jan., 1922	590.28			
Petrolia	Aug., 1923				
Preston	April, 1922	4,763.31			
Ridgetown	Mar., 1922	2,149.39			
St. Jacobs	Nov., 1922				
St. Thomas	Aug., 1923				
Saltfleet	Feb., 1922	3,503.46			3,564.29
Sandwich	July, 1922	491.77			
Sarnia	June, 1923				
Simcoe	Nov., 1922				
Stamford	Mar., 1922	564.11			
Streetsville	Nov., 1922				
Tavistock	April, 1923				
Wallaceburg	Jan., 1923				
Waterdown	Oct., 1922				
Welland	April, 1922	184.95			
Woodbridge	Jan., 1923				
Woodstock	Feb., 1913	1,402.63			
Totals		110,304.24	343,585.74	221,100.78	88,835.73

SYSTEM—Continued **CREDIT OR CHARGE**

supplied to it to October 31, 1922, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
34.92	.....	2,104.01	.....	3,012.03	.....
18.59	.....	.....	1,184.95	.....	701.63
.....	.....	1,090.53	.....	1,090.53	.....
141.96	.....	3,360.40	.....	7,051.32	.....
5.73	.....	1,030.77	.....	1,179.80	.....
46.72	.....	.....	396.88	985.65	.....
.....	.....	1,826.35	.....	1,826.35	.....
2.27	.....	276.83	.....	335.81	.....
.....	.....	411.02	.....	411.02	.....
11.92	.....	.....	35.02	274.86	.....
6.14	.....	231.46	.....	391.15	.....
.....	.....	619.12	.....	619.12	.....
11.54	.....	499.66	.....	631.93	.....
.....	.....	2,005.36	.....	2,005.36	.....
23.61	.....	1,598.16	.....	2,212.05	.....
.....	.....	44.66	.....	44.66	.....
190.53	.....	2,280.26	.....	7,234.10	.....
85.98	.....	3,059.11	.....	5,294.48	.....
.....	.....	600.49	.....	600.49	.....
.....	.....	.....	88.18	.....	88.18
116.59	.....	4,371.14	.....	4,426.90	.....
19.67	.....	1,072.12	.....	1,583.56	.....
.....	.....	588.65	.....	588.65	.....
.....	.....	246.18	.....	246.18	.....
22.56	.....	1,083.01	.....	1,669.68	.....
.....	.....	141.66	.....	141.66	.....
.....	.....	559.49	.....	559.49	.....
.....	.....	2,462.29	.....	2,462.29	.....
.....	.....	337.99	.....	337.99	.....
7.40	.....	585.04	.....	777.39	.....
.....	.....	1.09	.....	1.09	.....
56.11	.....	6,059.79	.....	7,518.53	.....
3,079.28	12,416.93	331,174.99	40,239.56	322,951.12	142,369.79

NIAGARA SYSTEM RURAL LINES

Statement showing the Interest and Sinking Fund charged by the Commission to the Municipalities which operate the respective Rural Lines for the year ending October 31, 1923

Operated by	Capital cost	Interest	Sinking fund	Total interest and sinking fund charged
	$ c.	$ c.	$ c.	$ c.
Ancaster	5,159.03	257.95	92.86	350.81
Bolton	2,110.45	105.52	37.99	143.51
Bothwell	6,571.84	355.88	547.44	903.32
Brampton	588.87	29.44	10.60	40.04
Dereham township	29,243.50	1,483.42	526.39	2,009.81
Elora	777.82	38.89	14.00	52.89
Etobicoke	54,608.68	2,984.09	982.96	3,967.05
Georgetown	8,889.59	444.48	160.01	604.49
Goderich	2,313.36	115.67	41.64	157.31
Louth township	2,771.19	138.56	49.88	188.44
Lucan	333.26	16.66	6.00	22.66
Milton	5,061.21	160.50	57.78	218.28
Norwich	34,874.53	1,753.20	625.72	2,378.92
St. Thomas	1,933.82	96.69	34.81	131.50
Scarboro township	4,521.25	271.29	81.39	352.68
Stratford	4,058.47	202.92	73.05	275.97
Toronto	1,020.01	38.77	13.96	52.73
Vaughan township	22,536.69	1,253.56	404.58	1,658.14
Walkerville	3,656.19	186.06	65.81	251.87
Waterdown	15,831.49	796.25	278.30	1,074.55
Waterford	3,399.87	169.99	61.20	231.19
Waterloo	5,062.60	230.60	91.12	321.72
Welland	19,617.60	980.88	353.12	1,334.00
Weston	5,234.46	209.38	94.22	303.60
Windsor	26,653.12	1,574.74	479.76	2,054.50
Totals	266,828.90	13,895.39	5,184.59	19,079.98
Non-operating	10.65			
	266,839.55			

NIAGARA SYSTEM RURAL LINES

Statement showing the total Sinking Fund requirements of each line—all of which have been paid—and the total of such Sinking Fund payments with interest allowed thereon to October 31, 1923

Lines operated by	Sinking fund requirements which have been paid		Interest at 4% per annum allowed on sinking fund payments	Total sinking fund payments and accumulated interest to Oct. 31, 1923
	Period covered	Amount		
		$ c.	$ c.	$ c.
Ancaster twp.	10 years ending Oct. 31, 1923	914.03	194.16	1,108.19
Bolton	9 " " " 1923	275.88	39.15	315.15
Bothwell	8 " " " 1923	3,397.37	379.69	3,777.06
Brampton	6 " " " 1923	65.36	7.59	72.95
Dereham twp.	6 " " " 1923	3,033.64	307.98	3,341.62
Elora	10 " " " 1923	125.91	22.13	148.04
Etobicoke	8 " " " 1923	7,065.32	1,008.83	8,074.15
Georgetown	10 " " " 1923	1,425.00	252.63	1,677.63
Goderich	10 " " " 1923	391.54	72.12	463.66
Louth twp.	5 " " " 1923	307.59	33.25	340.84
Lucan	4 " " " 1923	24 00	1.48	25.48
Milton	10 " " " 1923	175.62	23.33	198.95
Norwich	11 " " " 1923	5,030.54	802.71	5,833.25
St. Thomas	10 " " " 1923	312.18	54.82	367.00
Scarboro twp.	6 " " " 1923	842.98	106.45	949.43
Stratford	11 " " " 1923	723.86	143.75	867.61
Toronto	11 " " " 1923	62.15	7.02	69.17
Vaughan twp.	9 " " " 1923	2,245.17	222.82	2,467.99
Walkerville	9 " " " 1923	523.81	90.98	614.79
Waterdown	10 " " " 1923	2,030.78	349.85	2,380.63
Waterford	9 " " " 1923	403.34	47.09	450.43
Waterloo	10 " " " 1923	695.58	104.02	799.60
Welland	9 " " " 1923	3,614.00	691.98	4,305.98
Weston	10 " " " 1923	913.97	176.41	1,090.38
Windsor	8 " " " 1923	1,901.25	171.53	2,072.78
Totals		36,500.87	5,311.77	41,812.64

SEVERN

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased from Wasdells system and Orillia		$10,236.97
Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of this system		64,679.07
Interest on capital investment		83,034.09
Provisions for renewal of generating plant, lines and stations, etc.		20,627.97
Provisions for Contingencies:		
By charges against municipalities	$9,774.60	
By charges against contracts with private companies which purchased power	1,867.20	
By appropriating the net profit on power sold to private companies	9,680.42	
		21,322.22
Provisions for Sinking Fund:		
By charges against municipalities	$18,847.04	
By charges against contracts with private companies which purchased power	3,076.74	
		21,923.78
		$221,824.10

SYSTEM

Ending October 31, 1923

REVENUE FOR PERIOD

Collected from municipalities		$223,819.15
Power sold to private companies		34,635.92
		$258,455.07
Deduct:		
Amounts collected from certain municipalities in excess of the sum required to be paid by them for power supplied in the period	$37,498.70	
Add:		
Amounts due by certain municipalities, being the difference between sums paid and the cost of power supplied to them in the period.	867.73	
		36,630.97
		$221,824.10

SEVERN

Statement showing the amount to be paid by each Municipality as the Cost, under received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchasedfrom Orillia and Wasdells system	Share of operating	
	To Dec. 31, 1922	To Oct. 31, 1923				Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Alliston	65.00	55.00	70,588.78	126.0	166.19	1,854.89	3,844.02
Barrie	29.00	29.00	191,651.25	1,086.5	1,433.09	8,923.37	10,257.54
Beeton	85.00	75.00	55,928.37	79.1	104.33	1,549.42	3,050.64
Bradford	75.00	75.00	56,650.67	69.9	92.20	1,772.82	3,092.52
Coldwater	60.00	40.00	20,947.97	89.8	118.45	928.60	1,003.76
Collingwood	45.00	40.00	291,213.97	1,353.9	1,785.78	14,601.42	15,657.74
Cookstown	60.00	60.00	16,128.31	35.7	47.09	748.68	876.61
Creemore	70.00	60.00	26,149.69	65.5	86.39	1,050.66	1,416.35
Elmvale	37.00	35.00	30,065.10	168.8	222.65	1,764.53	1,609.55
Midland	32.00	30.00	372,825.77	2,433.3	3,209.51	14,506.70	19,886.65
Penetang	30.00	30.00	119,252.25	688.7	908.39	5,235.20	6,245.38
Port McNicoll	40.00	30.00	8,642.08	47.6	62.78	351.41	462.88
Stayner	45.00	40.00	27,550.25	121.9	160.79	1,448.59	1,476.92
Thornton	85.00	85.00	11,437.53	14.3	18.86	360.80	624.32
Tottenham	90.00	90.00	37,450.69	39.5	52.10	1,125.74	2,046.00
Victoria Harbor	45.00	40.00	12,085.38	47.1	62.12	665.56	651.97
Waubaushene	45.00	40.00	6,131.09	25.9	34.16	338 11	330.29
Rural Power Districts—							
Barrie	.....	.....	5,356.82	4.4	5.80	49.71	102.91
Nottawasaga	.....	.....	13,263.84	12.5	16.49	499.14	724.72
Stayner	.....	.....	17,436.02	6.0	7.91	223.26	291.66
Totals—Municipalities	.....	.....	1,390 755.83	6,516.4	8,595.08	57,998.61	73,652.43
Totals—Companies	.....	.....	176,383.88	1,244.8	1,641.89	6,680.46	9,381.66
Totals—Non-operating	.....	.....	12,123.81	.....	.....	.....	.....
Grand Totals	.....	.....	1,579,263.52	7,761.2	10,236.97	64,679.07	83,034.09

SYSTEM **COST OF POWER**

Section 23 of the Act, of Power supplied to it by the Commission, the amount and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1923

costs and fixed charges			Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1922-1923
Renewals	Contingencies	Sinking fund			Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
945.49	189.00	.....	6,999.59	7,166.85	167.26	.....	1917-18
2,522.98	1,629.75	3,019.57	27,786.30	31,510.40	3,724.10	.....	1920-21
750.35	118.65	.....	5,573 39	6,066.33	492.94	.....	.....
760.65	104.85	.....	5,823.04	5,240.61	.....	582.43	.....
246.89	134.70	338.72	2,771.12	3,590.81	819.69	.....	1920-21
3,851.27	2,030.85	4,598.31	42,525.37	56,279.45	13,754.08	.....	1920-21
215.61	53.55	.....	1,941.54	2,144.00	202.46	.....	.....
348.37	98.25	418.22	3,418.24	3,818.66	400.42	.....	1919-20
395.89	253.20	587.64	4,833.46	5,971.71	1,138.25	.....	1920-21
4,891.40	3,649.95	6,345.37	52,489.58	63,903.66	11,414.08	.....	1920-21
1,536.14	1,033.05	2,048.19	17,006.35	20,659.51	3,653.16	.....	1922-23
113.85	71.40	163.16	1,225.48	1,515.99	290.51	.....	1919-20
363.27	182.85	595.33	4,227.75	4,997.26	769.51	.....	1920-21
153.56	21.45	.....	1,178.99	1,217.57	38.58	.....	.....
503.24	59.25	.....	3,786.33	3,551.25	.....	235.08	.....
160.36	70.65	242.89	1,853.55	1,925.82	72.27	.....	1919-20
81.24	38.85	122.58	945.23	1,053.77	108.54	.....	1919-20
45.49	6.60	33.74	244.25	226.34	.....	17.91	1922-23
337.05	18.75	237.68	1,833.83	2,286.68	452.85	.....	1922-23
97.32	9.00	95.64	724.79	692.48	.....	32.31	1922-23
18,320.42	9,774.60	18,847.04	187,188.18	223,819.15	37,498.70	867.73	.....
2,307.55	1,867.20	3,076.74	24,955.50	34,635.92	*9,680.42	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
20,627.97	11,641.80	21,923.78	212,143.68	258,455.07	.....	.....	.....

*NOTE—Transferred to credit of Contingency Reserve.

SEVERN SYSTEM

Reserve for Renewals Account, October 31, 1923

Total provision for renewals to October 31, 1922	$141,153.75	
Deduct expenditures to October 31, 1922	8,410.03	
Balance brought forward October 31, 1922		$132,743.72
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$18,320.42	
Provision against equipment employed in respect of contracts with sundry companies	2,307.55	
Interest at 4% per annum on monthly balances to the credit of the account	5,309.75	
		25,937.72
Balance carried forward October 31, 1923		$158,681.44

SEVERN

Statement showing the total Sinking Fund requirements to be met by each Municipality under the Act, Sinking Fund payments made by Commission under Section 23 of the Act, Sinking Fund payments and the total of such Sinking Fund payments

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b) Amount	(a) For period of	(b) Amount
		$ c.		$ c.
Alliston	6 years ending Oct. 31, 1923	6,944.75	6 years ending Oct. 31, 1923	6,944.75
Barrie	7 " " " "	16,634.75	2 " " " "	6,554.41
Beeton	6 " " " "	5,975.47	6 " " " "	5,975.47
Bradford	6 " " " "	4,834.89	6 " " " "	4,834.89
Coldwater	7 " " " "	1,998.85	2 " " " "	694.58
Collingwood	7 " " " "	34,921.29	2 " " " "	10,080.58
Cookstown	" " " "	2,301.02	6 " " " "	2,301.02
Creemore	7 " " " "	2,922.74	3 " " " "	1,352.49
Elmvale	7 " " " "	3,192.24	2 " " " "	1,076.69
Midland	7 " " " "	27,330.71	2 " " " "	8,554.12
Penetang	7 " " " "	14,506.84		
Port McNicoll	7 " " " "	957.56	3 years ending Oct. 31, 1923	460.52
Stayner	7 " " " "	3,219.89	2 " " " "	1,033.21
Thornton	5 " " " "	986.30	5 " " " "	986.30
Tottenham	6 " " " "	3,249.67	6 " " " "	3,249.67
Victoria Harbor	7 " " " "	1,438.61	3 " " " "	691.29
Waubaushene	7 " " " "	740.07	3 " " " "	355.20
Rural Power Districts—				
Barrie	1 " " " "	33.74		
Nottawasaga	2 " " " "	471.00		
Stayner	1 " " " "	95.64		
Totals—Municipalities		132,756.03		55,145.19
Totals—Companies (from commencement of operations)		22,456.15		
Grand Totals		155,212.18		55,145.19

SEVERN SYSTEM

Reserve for Contingencies Account, October 31, 1923

Balance brought forward October 31, 1922		$29,220.08
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$9,774.60	
Provision against equipment employed in respect of contracts with sundry companies	1,867.20	
Net profits from contracts with sundry power customers	9,680.42	
Interest at 4% per annum on monthly balances to the credit of the account	1,168.80	
		22,491.02
		$51,711.10
Balance carried forward October 31, 1923		$51,711.10

SYSTEM — SINKING FUND

pality, Sinking Fund requirements, the payment of which has been deferred by the certain Municipalities which have been operating more than five years, including interest allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount		
	$ c.	$ c.	$ c.
5 years ending Oct. 31, 1923	10,080.34	648.20	10,728.54
5 years ending Oct. 31, 1923	1,304.27	94.13	1,398.40
5 " " " "	24,840.71	1,967.49	26,808.20
4 years ending Oct. 31, 1923	1,570.25	94.49	1,664.74
5 " " " "	2,115.55	137.83	2,253.38
5 " " " "	18,776.59	1,145.28	19,921.87
7 " " " "	14,506.84	1,613.43	16,120.27
4 " " " "	497.04	26.27	523.31
5 " " " "	2,186.68	140.37	2,327.05
4 years ending Oct. 31, 1923	747.32	39.67	786.99
4 " " " "	384.87	20.85	405.72
1 " " " "	33.74		33.74
2 " " " "	471.00	9.33	480.33
1 " " " "	95.64		95.64
	77,610.84	5,937.34	83,548.18
(From commencement of operations)	22,456.15	2,877.37	25,333.52
	100,066.99	8,814.71	108,881.70

SEVERN

Statement showing the net Credit or Charge to each Municipality in respect of power year, also the net amount Credited or Charged to each Municipality in respect amount standing as a Credit or Charge

Municipality	Date commenced operating	Net credit or charge at October 31, 1922		Cash receipts and payments on account of such credits and charges made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alliston	June, 1918	.....	3,362.20	.....	.....
Barrie	April, 1913	13,118.85	.....	.....	13,118.85
Beeton	Aug., 1918	281.38	.....	.....	281.38
Bradford	Oct., 1918	.....	6,846.80	.....	.....
Coldwater	Mar., 1913	2,081.94	.....	.....	2,081.94
Collingwood	Mar., 1913	34,065.45	.....	.....	34,065.45
Cookstown	May, 1918	216.46	.....	.....	216.46
Creemore	Nov., 1914	3,396.83	.....	.....	2,388.33
Elmvale	June, 1913	3,944.82	.....	.....	3,944.82
Midland	July, 1911	28,649.05	.....	.....	13,461.10
Penetang	July, 1911	16,812.74	.....	.....	16,812.74
Port McNicoll	Jan., 1915	1,650.29	.....	.....	1,650.29
Stayner	Oct., 1913	4,383.09	.....	.....	3,706.16
Thornton	Nov., 1918	.....	1,157.38	.....	.....
Tottenham	Oct., 1918	.....	3,054.26	.....	.....
Victoria Harbor	July, 1914	1,713.51	.....	.....	1,206.95
Waubaushene	Dec., 1914	830.62	.....	.....	830.62
Rural Power Districts—					
Barrie	.....	.....	.....	.....	.....
Nottawasaga	.....	.....	199.59	.....	.....
Stayner	.....	.....	.....	.....	.....
Totals	.....	111,145.03	14,620.23	.....	93,765.09

EUGENIA

Operating Account for

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased from Wingham and from Niagara system		$7,762.67
Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of this system		70,037.67
Interest on capital investment		122,790.62
Provision for renewal of generating plant, lines, stations, etc		25,310.97
Provisions for contingencies:—		
By charges against municipalities	$8,464.35	
By charges against contracts with private companies, which purchased power	363.60	
By appropriating the net profit on power sold to private companies	447.62	
		9,275.57
Provisions for sinking fund:		
By charges against municipalities	$25,067.75	
By charges against contracts with private companies which purchased power	1,422.35	
		26,490.10
		$261,667.60

SYSTEM CREDIT OR CHARGE

supplied to it to October 31, 1922, the cash payments, and interest added during the of power supplied in the year ending October 31, 1923, and the accumulated to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	134.49	167.26	.....	.....	3,329.43
336.39	.....	3,724.10	.....	4,060.49	.....
7.34	.....	492.94	.....	500.28	.....
.....	273.87	.....	582.43	.....	7,703.10
53.60	.....	819.69	.....	873.29	.....
819.70	.....	13,754.08	.....	14,573.78	.....
23.91	.....	202.46	.....	226.37	.....
108.28	.....	400.42	.....	1,517.20	.....
94.00	.....	1,138.25	.....	1,232.25	.....
1,105.36	.....	11,414.08	.....	27,707.39	.....
457.63	.....	3,653.16	.....	4,110.79	.....
30.34	.....	290.51	.....	320.85	.....
122.06	.....	769.51	.....	1,568.50	.....
.....	46.30	38.58	.....	.....	1,165.10
.....	122.17	.....	235.08	.....	3,411.51
55.35	.....	72.27	.....	634.18	.....
21.69	.....	108.54	.....	130.23	.....
.....	.....	.....	17.91	.....	17.91
.....	7.98	452.85	.....	245.28	.....
.....	.....	.....	32.31	.....	32.31
3,235.65	584.81	37,498.70	867.73	57,700.88	15,659.36

SYSTEM

Year ending October 31, 1923

REVENUE FOR PERIOD

Collected from municipalities		$253,219.58
Power sold to private companies		10,906.43
		$264,126.01
Deduct:		
Amounts collected from certain municipalities in excess of the sum required to be paid by them for power supplied in the period..	$11,166.39	
Add:		
Amounts due by certain municipalities, being the difference between sums paid and the costs of power supplied to them in the period.	8,707.98	
		2,458.41
		$261,667.60

EUGENIA

Statement showing the amount to be paid by each Municipality as the Cost, received by the Commission from each Municipality on account of such upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horsepower collected by Commission during Year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased from Wingham and Niagara system	Share of operating	
	To Dec. 31, 1922	To Oct. 31, 1923				Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Arthur	85.00	85.00	65,616.34	94.1	124.12	2,699.73	3,958.00
Chatsworth	70.00	60.00	11,406.55	34.1	44.98	465.02	682.45
Chesley	55.00	50.00	99,194.63	272.5	359.43	3,739.68	5,912.01
Dundalk	55.00	45.00	30,401.39	111.5	147.07	1,436.73	1,812.53
Durham	50.00	40.00	92,567.51	372.5	491.32	4,190.60	5,508.51
Elmwood	55.00	55.00	13,474.78	34.4	45.37	513.53	808.02
Flesherton	55.00	55.00	15,238.02	43.7	57.64	854.68	912.26
Grand Valley	60.00	60.00	37,095.28	70.7	93.25	1,581.18	2,232.25
Hanover	35.00	35.00	347,916.46	1,322.4	1,744.24	12,308.63	20,728.24
Holstein	90.00	90.00	12,028.35	10.7	14.12	306.07	727.50
Hornings Mills	.....	.....	10,856.77	5.0	6.59	672.99	658.10
Kincardine	48.00	70.00	120,711.19	188.9	249.16	2,967.48	7,275.62
Lucknow	60.00	65.00	53,304.04	77.8	102.62	1,696.08	3,194.19
Markdale	50.00	40.00	23,347.19	92.6	122.14	1,047.34	1,389.77
Mount Forest	65.00	60.00	73,446.31	188.3	248.37	3,128.50	4,404.10
Neustadt	55.00	45.00	60,991.75	152.8	201.54	1,998.37	3,658.33
Orangeville	65.00	60.00	94,763.79	212.7	280.55	3,543.19	5,691.68
Owen Sound	40.00	35.00	418,086.54	1,633.7	2,154.84	13,104.83	24,894.88
Paisley	.....	80.00	15,563.21	9.7	12.79	248.40	332.30
Priceville	47.00	65.00	6,508.91	10.2	13.45	139.58	392.30
Ripley	60.00	70.00	45,719.43	60.7	80.06	1,344.30	2,743.12
Shelburne	50.00	50.00	52,959.22	159.1	209.85	1,992.82	3,168.31
Tara	90.00	90.00	40,471.84	40.7	53.68	727.81	2,446.41
Teeswater	40.00	50.00	58,672.85	129.4	170.68	1,815.34	3,524.70
Wingham	45.00	55.00	177,538.13	312.7	412.45	4,614.98	10,680.14
Rural Power Districts—							
Flesherton	.....	.....	2,394.70	1.0	1.32	269.89	145.20
Walkerton Quarry	.....	.....	1,768.33	1.0	1.32	67.08	107.14
Totals—Municipalities	.....	.....	1,982,043.51	5,642.9	7,442.95	67,474.83	117,988.06
Totals—Companies	.....	.....	80,282.72	242.4	319.72	2,562.84	4,802.56
Non-operating capital	.....	.....	38,348.31	.....	.....	.....	.....
Grand Totals	.....	.....	2,100,674.54	5,885.3	7,762.67	70,037.67	122,790.62

SYSTEM **COST OF POWER**

under Section 23 of the Act, of Power supplied to it by the Commission, the amount cost, and the amount remaining to be credited or charged to each Municipality cost of power supplied to it in the year ending October 31, 1923

costs and fixed charges.			Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1922-1923
Renewals	Contingencies	Sinking fund			Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
814.04	141.15	1,434.33	9,171.37	7,999.18	.....	1,172.19	1921–22
140.36	51.15	202.12	1,586.08	2,036.66	450.58	.....	1922–23
1,215.92	408.75	1,812.99	13,448.78	13,878.05	429.27	.....	1921–22
372.78	167.25	536.80	4,473.16	5,233.12	759.96	.....	1922–23
1,132.93	558.75	1,631.42	13,513.53	15,465.92	1,952.39	.....	1922–23
166.18	51.60	.....	1,584.70	1,810.45	225.75	.....	.....
187.62	65.55	270.17	2,347.92	2,402.50	54.58	.....	1922–23
459.10	106.05	623.86	5,095.69	4,004.50	.....	1,091.19	1921–22
4,263.15	1,983.60	6,350.96	47,378.82	46,376.10	.....	1,002.72	1921–22
149.62	16.05	217.57	1,430.93	963.00	.....	467.93	1921–22
135.35	7.50	194.91	1,675.44	859.01	.....	816.43	1922–23
1,496.37	283.35	.....	12,271.98	12,589.20	317.22	.....	.....
656.95	116.70	.....	5,766.54	4,698.94	.....	1,067.60	.....
285.84	138.90	428.40	3,412.39	3,892.06	479.67	.....	1921–22
905.78	282.45	1,304.32	10,273.52	11,502.75	1,229.23	.....	1922–23
752.40	229.20	.....	6,839.84	6,995.74	155.90	.....	.....
1,170.60	319.05	1,690.76	12,695.83	12,943.33	247.50	.....	1921–22
5,120.13	2,450.55	7,372.98	55,098.21	58,728.28	3,630.07	.....	1922–23
68.34	14.55	.....	676.38	1,117.41	441.03	.....	.....
80.68	15.30	.....	641.31	628.79	.....	12.52	.....
564.17	91.05	.....	4,822.70	3,890.50	.....	923.20	.....
651.62	238.65	921.44	7,182.69	7,954.39	771.70	.....	1921–22
503.14	61.05	.....	3,792.09	3,662.25	.....	129.84	.....
724.92	194.10	.....	6,429.74	6,236.94	.....	192.80	.....
2,196.57	469.05	.....	18,373.19	16,682.77	.....	1,690.42	.....
60.24	1.50	42.99	521.14	389.00	.....	132.14	.....
48.43	1.50	31.73	257.20	278.74	21.54	.....	.....
24,323.23	8,464.35	25,067.75	250,761.17	253,219.58	11,166.39	8,707.98	.....
987.74	363.60	1,422.35	10,458.81	10,906.43	*447.62	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
25,310.97	8,827.95	26,490.10	261,219.98	264,126.01	.....	.....	.....

*Note—Transferred to the credit of Contingency Reserve.

EUGENIA SYSTEM

Reserve for Renewals Account, October 31, 1923

Total provision for renewals to October 31, 1922	$149,194.08	
Deduct expenditures to October 31, 1922	11,993.39	
Balance brought forward, October 31, 1922		$137,200.69
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$24,323.23	
Provision against equipment employed in respect of contracts with sundry companies	987.74	
Interest at 4% per annum on monthly balances to the credit of the account	5,488.03	
Renewals reserve provided on second-hand equipment purchased.	4,874.44	
		35,673.44
		$172,874.13
Expenditures during the year ending October 31, 1923		3,518.60
		$169,355.53

EUGENIA SYSTEM

Reserve for Contingencies Account, October 31, 1923

Total provision for contingencies to October 31, 1922		$12,801.38
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$8,464.35	
Provision against equipment employed in respect of contracts with sundry companies	363.60	
Net profits from contracts with sundry power customers	447.62	
Interest at 4% per annum on monthly balances to the credit of the account	512.06	
		9,787.63
		$22,589.01
Deduct:		
Expenditures during the year ending October 31, 1923		2,427.71
Balance carried forward October 31, 1923		$20,161.30

EUGENIA

Statement showing the total Sinking Fund requirements to be met by each Muni the Commission under Section 23 of the Act, Sinking Fund payments made the total Sinking Fund payments including interest

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b) Amount	(a) For period of	(b) Amount
		$ c.		$ c.
Arthur	3 years ending Oct. 31, 1923	4,246.61	1 year ending Oct. 31, 1923	1,172.24
Chatsworth	3 " " " "	635.81	.....	.....
Chesley	3 " " " "	5,341.44	1 year ending Oct. 31, 1923	1,750.92
Dundalk	3 " " " "	1,585.90	.....	.....
Durham	3 " " " "	4,258.76	.....	.....
Elmwood	3 " " " "	886.12	3 years ending Oct. 31, 1923	886.12
Flesherton	3 " " " "	870.88	.....	.....
Grand Valley	3 " " " "	1,922.58	1 year ending Oct. 31, 1923	661.10
Hanover	3 " " " "	18,241.54	1 " " " "	6,138.94
Holstein	3 " " " "	652.98	1 " " " "	215.45
Hornings Mills	2 " " " "	276.67	.....	.....
Kincardine	3 " " " "	5,144.05	3 years ending Oct. 31, 1923	5,144.05
Lucknow	3 " " " "	2,599.72	3 " " " "	2,599.72
Markdale	3 " " " "	1,291.72	1 year " " "	411.61
Mount Forest	3 " " " "	4,148.78	.....	.....
Neustadt	3 " " " "	3,486.74	3 years " " "	3,486.74
Orangeville	3 " " " "	4,850.90	1 year ending Oct. 31, 1923	1,685.66
Owen Sound	3 " " " "	22,342.74	.....	.....
Paisley	1 " " " "	98.41	1 year ending Oct. 31, 1923	98.41
Priceville	3 " " " "	299.69	3 years " " "	299.69
Ripley	3 " " " "	2,401.94	3 " " " "	2,401.94
Shelburne	3 " " " "	3,058.10	1 " " " "	938.33
Tara	3 " " " "	2,232.39	3 " " " "	2,232.39
Teeswater	3 " " " "	2,703.46	3 " " " "	2,703.46
Wingham	3 " " " "	9,396.99	3 " " " "	9,396.99
Rural Power Districts— Flesherton	2 " " " "	72.80	.....	.....
Walkerton Quarry	2 " " " "	57.37	.....	.....
Totals—Municipalities		103,105.09		42,223.76
Totals—Companies (from commencement of operations)		3,946.61		
Grand Totals		107,051.70		42,223.76

SYSTEM SINKING FUND

cipality, Sinking Fund requirements the payment of which has been deferred by by certain Municipalities which have been operating more than five years, and allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount		
	$ c.	$ c.	$ c.
2 years ending Oct. 31, 1923	3,074.37	65.60	3,139.97
3 years ending Oct. 31, 1923	635.81	26.00	661.81
2 " " " "	3,590.52	71.10	3,661.62
3 " " " "	1,585.90	65.57	1,651.47
3 " " " "	4,258.76	151.13	4,409.89
3 years ending Oct. 31, 1923	870.88	37.15	908.03
2 " " " "	1,261.48	25.51	1,286.99
2 " " " "	12,102.60	230.07	12,332.67
2 " " " "	437.53	8.80	446.33
2 " " " "	276.67	3.27	279.94
2 years ending Oct. 31, 1923	880.11	18.07	898.18
3 " " " "	4,148.78	175.89	4,324.67
2 " " " "	3,165.24	58.98	3,224.22
3 " " " "	22,342.74	922.08	23,264.82
2 years ending Oct. 31, 1923	2,119.77	47.93	2,167.70
2 years ending Oct. 31, 1923	72.80	1.19	73.99
2 " " " "	57.37	1.03	58.40
	60,881.33	1,909.37	62,790.70
(From commencement of operations)	3,946.61	164.78	4,111.39
	64,827.94	2,074.15	66,902.09

EUGENIA

Statement showing the net Credit or Charge to each Municipality in respect of power added during the year, also the net amount Credited or Charged to each and the accumulated amount standing as a Credit

Municipality	Date commenced operating	Net credit or charge at October 31, 1922		Cash receipts and payments on account of such credits and charges made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Arthur	Dec., 1916	.....	5,224.23	.....	.....
Chatsworth	Dec., 1915	391.62	.....	.....	391.62
Chesley	July, 1916	214.30	.....	.....	214.30
Dundalk	Dec., 1915	743.46	.....	.....	743.46
Durham	Dec., 1915	6,258.84	.....	.....	6,258.84
Elmwood	April, 1918	.....	64.25	64.25	.....
Flesherton	Dec., 1915	.....	1,889.91	1,400.00	.....
Grand Valley	Dec., 1916	1,373.42	.....	.....	1,373.42
Hanover	Sept., 1916	10,398.74	.....	.....	10,398.74
Holstein	May, 1916	.....	4,177.96	.....	.....
Hornings Mills	July, 1916	.....	.....	.....	.....
Kincardine	Mar., 1921	.....	6,463.93	154.22	.....
Lucknow	Jan., 1921	7.80	.....	.....	7.80
Markdale	Mar., 1916	1,390.15	.....	.....	1,390.15
Mount Forest	Dec., 1915	.....	5,536.50	.....	.....
Neustadt	Dec., 1918	2,861.46	.....	.....	2,861.46
Orangeville	July, 1916	.....	3,758.94	.....	.....
Owen Sound	Dec., 1915	4,168.14	.....	.....	7,344.31
Paisley	Sept., 1923	.....	.....	.....	.....
Priceville	Mar., 1921	.....	139.81	.....	.....
Ripley	Jan., 1921	.....	168.29	168.29	.....
Shelburne	July, 1916	.....	508.99	508.99	.....
Tara	Feb., 1918	.....	3,951.75	.....	.....
Teeswater	Dec., 1920	.....	610.63	587.31	.....
Wingham	Dec., 1920	.....	1,266.77	1,266.77	.....
Rural Power Districts—					
Flesherton	Feb., 1922	21.16	.....	.....	.....
Walkerton	Feb., 1922	1.13	.....	.....	.....
Totals	.....	27,830.22	33,761.96	4,149.83	30,984.10

SYSTEM CREDIT OR CHARGE

supplied to it to October 31, 1922, the cash receipts and payments thereon, interest Municipality in respect of power supplied in the year ending October 31, 1923, or Charge to each Municipality at October 31, 1923 .

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	208.97	.....	1,172.19	.....	6,605.39
7.94	.....	450.58	.....	458.52	.....
4.30	.....	429.27	.....	433.57	.....
15.46	.....	759.96	.....	775.42	.....
157.78	.....	1,952.39	.....	2,110.17	.....
1.27	.....	225.75	.....	227.02	.....
.....	46.90	54.58	.....	.....	482.23
32.85	.....	.....	1,091.19	.....	1,058.34
229.60	.....	.....	1,002.72	.....	773.12
.....	167.12	.....	467.93	.....	4,813.01
.....	.....	.....	816.43	.....	816.43
.....	257.11	317.22	.....	.....	6,249.60
0.19	.....	.....	1,067.60	.....	1,067.41
27.69	.....	479.67	.....	507.36	.....
.....	221.46	1,229.23	.....	.....	4,528.73
60.75	.....	155.90	.....	216.65	.....
.....	150.36	247.50	.....	.....	3,661.80
22.66	.....	3,630.07	.....	476.56	.....
.....	.....	441.03	.....	441.03	.....
.....	5.59	.....	12.52	.....	157.92
.....	4.25	.....	932.20	.....	936.45
.....	14.83	771.70	.....	756.87	.....
.....	158.07	.....	129.84	.....	4,239.66
.....	26.94	.....	192.80	.....	243.06
.....	63.67	.....	1,690.42	.....	1,754.09
0.85	.....	.....	132.14	.....	110.13
0.05	.....	21.54	.....	22.72	.....
561.39	1,325.27	11,166.39	7,891.55	6,425.89	37,497.37

EUGENIA SYSTEM

Operating Account for Year

Interest on capital investment	$189.28
Provision for sinking fund	58.42
	$247.70

EUGENIA SYSTEM RURAL LINES

Statement showing Interest and Sinking Fund charges on each line for the year ending October 31, 1923

	Capital cost	Interest	Sinking fund	Total interest and sinking fund charges	Revenue from municipalities
	$ c.	$ c.	$ c.	$ c.	$ c.
Flesherton	1,857.19	115.29	33.47	148.76	148.76
Markdale	1,241.33	66.01	22.34	88.35	88.35
Ripley	143.14	7.98	2.61	10.59	10.59
Totals	3,241.66	189.28	58.42	247.70	247.70

WASDELLS

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of the system		$18,775.68
Interest on capital investment		18,743.05
Provision for renewal of generating plant, lines and stations, etc		5,492.37
Provision for contingencies		1,612.60
Provision for sinking fund:		
By charges against municipalities	$2,715.47	
By charges against contracts with private companies which purchased power	1,737.43	
		4,452.90
		$49,076.60

RURAL LINES

Ending October 31, 1923

REVENUE:	
Interest and sinking fund collected from the municipalities which operate lines....	$247.70
	$247.70

EUGENIA SYSTEM RURAL LINES

Statement showing the total Sinking Fund requirements of each Municipality, and the total of the Sinking Fund payments with Interest allowed thereon to October 31, 1923

	Sinking fund requirements which have been paid		Interest at 4% per annum allowed on sinking fund payments	Total sinking fund payments and accumulated interest to October 31, 1923
	Period covered	Amount		
		$ c.	$ c.	$ c.
Flesherton....	6 years ending Oct. 31, 1923	88.47	3.85	92.32
Markdale.....	7 " " " 1923	149.77	9.47	159.24
Ripley.....	2 " " " 1923	4.57	0.08	4.65
Totals.....		242.81	13.40	256.21

SYSTEM

Ending October 31, 1923

REVENUE FOR PERIOD

Collected from municipalities.....		$42,761.48
Power sold to private companies and the Severn and Eugenia systems....		11,570.74
		$54,332.22
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the period....	$6,864.59	
Add:		
Amount due by a certain municipality, being the difference between the sum paid and the cost of power supplied to it in the period .	27.96	
		6,836.63
Revenue.....		$47,495.59
Loss on sale of power supplied to private companies (written off to contingency reserve).....		1,581.01
		$49,076.60

WASDELLS

Statement showing the amount to be paid by each Municipality as the Cost, under received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating costs		
	To Dec. 31, 1922	To Oct. 31, 1923			Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Beaverton	52.00	50.00	41,805.88	136.6	3,180.74	2,150.20	624.34
Brechin	90.00	85.00	16,595.04	38.3	966.08	854.63	248.16
Cannington	65.00	55.00	31,906.59	93.9	2,293.93	1,641.76	476.71
Kirkfield	60.00	55.00	13,627.57	27.8	610.64	702.07	203.86
Port Perry	90.00	90.00	49,485.59	80.8	2,012.63	2,551.90	740.98
Sunderland	85.00	75.00	25,413.56	48.0	1,319.18	1,309.53	380.24
Uxbridge	90.00	90.00	52,455.51	81.0	2,103.53	2,705.29	785.52
Woodville	80.00	75.00	29,913.78	66.3	1,532.95	1,540.75	447.38
Rural Power Districts—							
Port Perry			1,680.94	2.1	68.39	81.05	26.16
Mariposa			22,414.55	3.2	164.13	219.49	111.16
Totals—Municipalities			285,299.01	578.0	14,252.20	13,756.67	4,044.51
Totals—Companies			96,928.75	228.3	4,523.48	4,986.38	1,447.86
Non-operating capital							
Grand Totals			382,227.76	806.3	18,775.68	18,743.05	5,492.37

WASDELLS SYSTEM

Reserve for Renewals Account, October 31, 1923

Total provision for renewals to October 31, 1923		$38,904.86
Deduct:		
Expenditures to October 31, 1922		3,340.74
Balance brought forward October 31, 1922		$35,564.12
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$4,044.51	
Provision against equipment employed in respect of sundry customers	1,447.86	
Interest at 4% per annum on the monthly balances to the credit of the account	1,422.56	
		6,914.93
Balance carried forward, October 31, 1923		$42,479.05

SYSTEM — COST OF POWER

Section 23 of the Act, of Power supplied to it by the Commission. The amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1923

and fixed charges		Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Revenue from sale of power to Severn and Eugenia systems	Total revenue	Amounts remaining to to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1922-23
Contingencies	Sinking fund					Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
273.20	749.22	6,977.70	6,870.01	508.57	7,378.58	400.88	.....	1922–23
76.60	297.79	2,443.26	3,281.43	142.59	3,424.02	980.76	.....	1922–23
187.80	572.05	5,172.25	5,337.65	349.60	5,687.25	515.00	.....	1922–23
55.60	.....	1,572.17	1,552.90	103.50	1,656.40	84.23	.....	.....
161.60	.....	5,467.11	7,272.75	300.82	7,573.57	2,106.46	.....	.....
96.00	456.29	3,561.24	3,680.22	178.72	3,858.94	297.70	.....	1922–23
162.00	.....	5,756.34	7,293.00	301.58	7,594.58	1,838.24	.....	.....
132.60	536.86	4,190.54	4,476.49	246.84	4,723.33	532.79	.....	1922–23
4.20	28.23	208.03	308.74	7.82	316.56	108.53	.....	1922–23
6.40	75.03	576.21	536.34	11.91	548.25	.....	27.96	1922–23
1,156.00	2,715.47	35,924.85	40,609.53	2,151.95	42,761.48	6,864.59	27.96	.....
456.60	1,737.43	13,151.75	10,720.77	849.97	11,570.74	.....	*1,581.01	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,612.60	4,452.90	49,076.60	51,330.30	3,001.92	54,332.22	.....	.....	.....

*Note—Transferred to the debit of Contingency Reserve.

WASDELLS SYSTEM

Reserve for Contingencies Account, October 31, 1923

Balance brought forward, October 31, 1922		$6,068.13
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$1,156.00	
Provision against equipment employed in respect of contracts with sundry companies	456.60	
Interest at 4% per annum on the monthly balance at the credit of the account	242.73	
		1,855.33
		$7,923.46
Deduct:		
Loss for the year on power sold to private customers		1,581.01
Balance carried forward, October 31, 1923		$6,342.45

WASDELLS

Statement showing the total Sinking Fund requirements to be met by each Muni Commission under Section 23 of the Act, Sinking Fund payments made the total of such Sinking Fund payments

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b)Amount	(a) For period of	(b)Amount
		$ c.		$ c.
Beaverton	4 years ending Oct. 31, 1923	2,594.25		
Brechin	4 " " " "	1,541.15		
Cannington	4 " " " "	2,176.15		
Kirkfield	4 " " " "	673.68	4 years ending Oct. 31, 1923	673.68
Port Perry	2 " " " "	964.36	2 " " " "	964.36
Sunderland	4 " " " "	1,955.70		
Uxbridge	2 " " " "	1,028.85	2 years ending Oct. 31, 1923	1,028.85
Woodville	4 " " " "	2,065.52		
Rural Power Districts—				
Port Perry	1 " " " "	28.23		
Mariposa	1 " " " "	75.03		
Totals—Municipalities		13,102.92		2,666.89
Totals—Companies (from commencement of operations)		10,495.65		
Grand Totals		23,598.57		2,666.89

WASDELLS

Statement showing the net Credit or Charge to each Municipality in respect of power added during the year, also the net amount Credited or Charged to each and the accumulated amount standing as a Credit

Municipality	Date commenced operating	Net credit or charge at October 31, 1922		Cash receipts and payments on account of such credits and charges made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Beaverton	Nov., 1914	1,639.84			1,639.84
Brechin	Jan., 1915		2,467.99		
Cannington	Nov., 1914		1,204.96	1,204.96	
Kirkfield	June, 1920	42.41			42.41
Port Perry	Sept., 1922		47.40	47.40	
Sunderland	Nov., 1914		1,744.78	33.96	
Uxbridge	Sept., 1922		14.11	14.11	
Woodville	Nov., 1914		1,154.86	125.80	
Rural Power Districts—					
Port Perry	Dec., 1922				
Mariposa	Sept., 1923				
Totals		1,682.25	6,634.10	1,426.23	1,682.25

SYSTEM SINKING FUND

cipality, Sinking Fund requirements the payment of which has been deferred by the by certain Municipalities which have been operating more than five years, and including interest allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount		
	$ c.	$ c.	$ c.
4 years ending Oct. 31, 1923	2,594.25	152.42	2,746.67
4 " " " "	1,541.15	102.83	1,643.98
4 " " " "	2,176.15	135.66	2,311.81
.....	.....	.....	.....
.....	.....	.....	.....
4 years ending Oct. 31, 1923	1,955.70	124.98	2,080.68
.....	.....	.....	.....
4 years ending Oct. 31, 1923	2,065.52	123.59	2,189.11
1 " " " "	28.23	.....	28.23
1 " " " "	75.03	.....	75.03
	10,436.03	639.48	11,075.51
(From commencement of operations)	10,495.65	704.66	11,200.31
	20,931.68	1,344.14	22,275.82

SYSTEM CREDIT OR CHARGE

supplied to it to October 31, 1922, the cash receipts and payments thereon, interest Municipality in respect of power supplied in the year ending October 31, 1923, or Charge to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
35.02	.....	400.88	.....	435.90	.....
.....	98.72	980.76	.....	.....	1,585.95
.....	7.18	515.00	.....	507.82	.....
0.98	.....	84.23	.....	85.21	.....
.....	1.29	2,106.46	.....	2,105.17	.....
.....	69.47	297.70	.....	.....	1,482.59
.....	0.38	1,838.24	.....	1,837.86	.....
.....	44.82	532.79	.....	.....	541.09
.....	.....	108.53	.....	108.53	.....
.....	.....	.....	27.96	.....	27.06
36.00	221.86	6,864.59	27.96	5,080.49	3,637.59

WASDELLS SYSTEM

Operating Account for Year

Interest on capital investment	$886.41
Provision for sinking fund	265.23
	$1,151.64

WASDELLS SYSTEM RURAL LINES

Statement showing Interest and Sinking Fund charges on each line for the year ending October 31, 1923

	Capital Cost	Interest	Sinking fund	Total interest and sinking fund charges	Revenue from municipalities
	$ c.	$ c.	$ c.	$ c.	$ c.
Beaverton	6,105.12	375.15	109.83	484.98	484.98
Brechin	613.25	38.02	11.04	49.06	49.06
Sunderland	3,920.34	233.32	70.56	303.88	303.88
Cannington	1,215.60	66.57	21.79	88.36	88.36
Woodville	2,889.22	173.35	52.01	225.36	225.36
Non-operating capital	247.29	.....	.....	.....	.....
Totals	14,990.82	886.41	265.23	1,151.64	1,151.64

MUSKOKA

Operating Account for Year

Costs of operating as provided for under Sections 6c and 23 of the Act

Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of this system		$12,235.09
Interest on capital investment		12,841.01
Provision for renewal of generating plant, lines, stations, etc.		2,661.88
Provision for contingencies:		
By charges against municipalities	$2,087.70	
By appropriating the net profits on power sold to sundry customers at Muskoka Falls	25.21	
		2,112.91
Provision for sinking fund:		
By charges against municipalities	$3,972.41	
By charges against contracts with sundry customers at Muskoka Falls	5.11	
		3,977.52
		$33,828.41

RURAL LINES

Ending October 31, 1923

REVENUE:	
Interest and sinking fund collected from the municipalities which operate the lines	$1,151.64
	$1,151.64

WASDELLS SYSTEM RURAL LINES

Statement showing the total Sinking Fund requirements in respect of each line, and the total of the Sinking Fund payments with interest allowed thereon to October 31, 1923

	Sinking fund requirements which have been paid		Interest at 4% per annum allowed on sinking fund payments	Total sinking fund payments and accumulated interest to October 31, 1923
	Period covered	Amount		
		$ c.	$ c.	$ c.
Beaverton	6 years ending Oct. 31, 1923	504.42	27.88	532.30
Brechin	5 " " " 1923	67.26	4.13	71.39
Sunderland	5 " " " 1923	340.08	19.09	359.17
Cannington	1½" " " 1923	34.42	.50	34.92
Woodville	4 " " " 1923	379.86	8.27	188.13
Totals		1,126.04	59.87	1,185.91

SYSTEM

Ending October 31, 1923

REVENUE FOR PERIOD

Collected from municipalities		$32,478.80
Power sold to sundry customers at Muskoka Falls		51.00
		$32,529.80
Add:		
Amounts due by a certain municipality, being the difference between the sum paid and the cost of power supplied to it during the period	$1,757.29	
Deduct:		
Amounts collected by a certain municipality in excess of the sum required to be paid by it for power supplied in the period	458.68	
		1,298.61
Revenue		$33,828.41
		$33,828.41

MUSKOKA

Statement showing the amount to be paid by each Municipality as the Cost, under by the Commission from each Municipality on account of such cost, and ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating	
	To Dec. 31, 1922	To Oct. 31, 1923			Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.
Gravenhurst	20.00	20.00	45,319.95	463.0	3,991.70	2,732.82
Huntsville	25.00	25.00	167,494.37	928.8	8,243.39	10,091.06
Totals—Municipalities			212,814.32	1,391.8	12,235.09	12,823.88
Muskoka Falls (Sundry Customers)			284.01			17.13
Non-operating capital			2,025.09			
Grand Totals			215,123.42	1,391.8	12,235.09	12,841.01

MUSKOKA SYSTEM

Reserve for Renewals Account, October 31, 1923

Total provision for renewals to October 31, 1922		$16,395.29
Deduct expenditures to October 31, 1922		1,180.12
Balance brought forward, October 31, 1922		$15,215.17
Added during the year ending October 31, 1923:		
Amount charged to municipalities as part of the cost of power delivered to them	$2,658.33	
Provision against equipment employed in respect of contracts with sundry companies	3.55	
Interest at 4% per annum on monthly balances to the credit of the account	608.61	
		3,270.49
Balance carried forward, October 31, 1923		$18,485.66

SYSTEM COST OF POWER

Section 23 of the Act, of Power supplied to it by the Commission, the amount received the amount remaining to be credited or charged to each Municipality upon of power supplied to it in the year ending October 31, 1923

costs and fixed charges			Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1921-22
Renewals	Contingencies	Sinking fund			Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
566.50	694.50	815.76	8,801.28	9,259.96	458.68	.....	1922–23
2,091.83	1,393.20	3,156.65	24,976.13	23,218.84	.....	1,757.29	1921–22
2,658.33	2,087.70	3,972.41	33,777.41	32,478.80	458.68	1,757.29	.....
3.55	.....	5.11	25.79	51.00	*25.21	.....	1922–23
.....	.....	.....	.....	.....	.....	.....	.....
2,661.88	2,087.70	3,977.52	33,803.20	32,529.80	.....	.....	.....

*Note—Transferred to credit of Contingency Reserve.

MUSKOKA SYSTEM

Reserve for Contingencies Account, October 31, 1923

Balance brought forward, October 31, 1922		$3,375.57
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$2,087.70	
Net profits from contracts with sundry power customers	25.21	
Interest at 4% per annum on monthly balances at the credit of the account	135.02	
		2,247.93
Balance carried forward, October 31, 1923		$5,623.50

MUSKOKA

Statement showing the total Sinking Fund requirements to be met by each Municipality Commission under Section 23 of the Act, Sinking Fund payments made by and the total of such Sinking Fund payments

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b) Amount	(a) For period of	(b) Amount
		$ c.		$ c.
Gravenhurst	3 years ending Oct. 31, 1923	2,234.80		
Huntsville	3 " " " "	9,238.72	1 year ending Oct. 31, 1923	3,012.23
Totals—Municipalities		11,473.52		3,012.23
Totals—Companies (from commencement of operations)		10.24		
Grand Totals		11,483.76		3,012.23

MUSKOKA

Statement showing the net Credit or Charge to each Municipality in respect of power added during the year, also the net amount Credited or Charged to each and the accumulated amount standing as a

Municipality	Date commenced operating	Net credit or charge at October 31, 1922		Cash receipts and payments on account of such credits and charges made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Gravenhurst	Nov., 1915		3,784.15	1,070.07	
Huntsville	Sept., 1916	11,534.56			11,534.56
Totals		11,534.56	3,784.15	1,070.07	11,534.56

SYSTEM SINKING FUND

pality, Sinking Fund requirements the payment of which has been deferred by the certain Municipalities which have been operating more than five years, including interest allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount		
	$ c.	$ c.	$ c.
3 years ending Oct. 31, 1923	2,234.80	87.98	2,322.78
2 " " " "	6,226.49	122.79	6,349.28
	8,461.29	210.77	8,672.06
(From commencement of operations).....	10.24	.21	10.45
	8,471.53	210.98	8,682.51

SYSTEM CREDIT OR CHARGE

supplied to it to October 31, 1922, the cash receipts and payments thereon, interest Municipality in respect of power supplied in the year ending October 31, 1923, Charge to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a charge on October 31, 1923
Credited	Charged	Credited	Charged	Charge
$ c.	$ c.	$ c.	$ c.	$ c.
.....	147.48	458.68	.....	2,402.88
229.64	.....	.....	1,757.29	1,527.65
229.64	147.48	458.68	1,757.29	3,930.53

ST. LAWRENCE

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$88,109.30
Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of this system		27,805.29
Interest on capital investment		64,635.04
Provision for renewal of lines, stations, etc.		21,206.16
Provision for contingencies:		
By charges against municipalities	$3,358.65	
By charges against contracts with private companies	6,589.50	
By appropriating the net profit on power sold to private companies.	6,414.50	
		16,362.65
Provision for sinking fund:		
By charges against municipalities	$8,053.25	
By charges against contracts with private companies which purchased power	7,445.07	
		15,498.32
		$233,616.76

ST. LAWRENCE

Statement showing the amount to be paid by each Municipality as the Cost, under received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power to Commission	Share of operating	
	To Dec. 31, 1922	To Oct. 31, 1923				Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Alexandria	80.00	80.00	113,433.77	207.6	2,758.02	1,733.42	7,047.04
Apple Hill	85.00	85.00	9,599.20	22.3	296.26	407.58	596.22
Brockville	55.00	40.00	225,733.80	1,306.2	17,353.23	5,247.95	14,000.99
Chesterville	85.00	65.00	61,357.74	169.7	2,254.52	1,314.20	3,810.37
Lancaster	97.00	97.00	37,699.31	24.2	321.50	897.97	2,327.06
Martintown	85.00	75.00	5,378.34	13.1	174.04	352.25	328.29
Maxville	86.00	86.00	40,538.71	50.0	664.26	684.26	2,519.09
Prescott	52.00	45.00	46,532.44	254.1	3,375.79	1,240.20	2,886.51
Williamsburg	95.00	75.00	7,274.22	21.9	290.95	293.47	451.69
Winchester	85.00	65.00	29,490.74	100.3	1,332.51	1,094.74	1,830.90
Rural Power Districts—							
Brockville			16,063.16	31.5	418.49	924.28	994.20
Chesterville			3,660.92	3.3	43.84	247.21	225.67
Martintown			11,114.16	6.9	91.67	491.25	608.00
Prescott			20,929.47	28.0	371.99	944.79	1,294.08
Totals—Municipalities			628,805.98	2,239.1	29,747.07	15,873.57	38,920.11
Totals—Companies			416,695.89	4,393.0	58,362.23	11,931.72	25,714.93
Non-operating capital			122.63				
Grand Totals			1,045,624.50	6,632.1	88,109.30	27,805.29	64,635.04

SYSTEM

ending October 31, 1923

REVENUE FOR PERIOD

Collected from municipalities		$122,285.92
Power sold to private companies		124,730.25
		$247,016.17
Add:		
Amounts due by certain municipalities, being the difference between sums paid and the costs of power supplied to them in the year..	$3,233.27	
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year....	16,632.68	
		13,399.41
Revenue		$233,616.76
		$233,616.76

SYSTEM **COST OF POWER**

Section 23 of the Act, of Power supplied to it by the Commission, the amount and the amount remaining to be credited or charged to each Municipality cost of power supplied to it in the year ending October 31, 1923

costs and fixed charges			Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment		Sinking fund for the years mentioned hereunder charged as part of the cost of power in the year 1922-23
Renewals	Contingencies	Sinking Fund			Credited	Charged	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
2,266.98	311.40	.....	14,116.86	16,612.17	2,495.31	.....	.....
191.80	33.45	.....	1,525.31	1,792.04	266.73	.....	.....
4,504.02	1,959.30	4,552.98	47,618.47	55,479.09	7,860.62	.....	1921–22
1,225.77	254.55	1,103.19	9,962.60	11,531.51	1,568.91	.....	1922–23
748.60	36.30	.....	4,331.43	2,343.32	.....	1,988.11	.....
105.62	19.65	.....	979.85	1,006.16	26.31	.....	.....
810.37	75.00	.....	4,752.98	4,057.72	.....	695.26	.....
928.57	381.15	835.72	9,647.94	11,778.85	2,130.91	.....	1922–23
145.30	32.85	127.40	1,341.66	1,704.61	362.95	.....	1921–22
588.99	150.45	530.09	5,527.68	6,896.60	1,368.92	.....	1922–23
377.09	47.25	287.85	3,049.16	3,581.14	531.98	.....	1922–23
108.47	4.95	65.34	695.48	715.52	20.04	.....	1922–23
220.21	10.35	176.02	1,597.50	1,298.50	.....	299.00	1922–23
712.07	42.00	374.66	3,739.59	3,488.69	.....	250.90	1922–23
12,933.86	3,358.65	8,053.25	108,886.51	122,285.92	16,632.68	3,233.27	.....
8,272.30	6,589.50	7,445.07	118,315.75	124,730.25	*6,414.50	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
21,206.16	9,948.15	15,498.32	227,202.26	247,016.17	.....	.....	.....

*NOTE—Transferred to the credit of Contingency Reserve.

ST. LAWRENCE SYSTEM

Reserve for Renewals Account, October 31, 1923

Total provision for renewals to October 31, 1922		$72,664.11
Deduct expenditures to October 31, 1922		7,920.33
Balance brought forward, October 31, 1922		$64,743.78
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$12,933.86	
Provision against equipment employed in respect of contracts with sundry companies	8,272.30	
Interest at 4% per annum on monthly balances to the credit of the account	2,589.75	
		23,795.91
		$88,539.69
Expenditures during the year ending October 31, 1923		744.34
Balance carried forward, October 31, 1923		$87,795.35

ST. LAWRENCE

Statement showing the total Sinking Fund requirements to be met by each Municipality under Section 23 of the Act, Sinking Fund payments made by Commission and the total of such Sinking Fund payments

Municipality	Total sinking fund requirements chargeable to the municipality under the Act		Sinking fund requirements the payment of which has been deferred	
	(a) For period of	(b) Amount	(a) For period of	(b) Amount
		$ c.		$ c.
Alexandria	3 years ending Oct. 31, 1923	5,298.74	3 years ending Oct. 31, 1923	5,298.74
Apple Hill	3 " " " "	428.56	3 " " " "	428.56
Brockville	4 " " " "	18,629.36	1 " " " "	4,053.62
Chesterville	4 " " " "	4,657.20		
Lancaster	3 " " " "	1,642.91	3 years ending Oct. 31, 1923	1,642.91
Martintown	3 " " " "	238.70	3 " " " "	238.70
Maxville	3 " " " "	1,886.80	3 " " " "	1,886.80
Prescott	4 " " " "	3,567.43		
Williamsburg	4 " " " "	441.09	1 year ending Oct. 31, 1923	130.77
Winchester	4 " " " "	2,208.87		
Rural Power Districts—				
Brockville	2 " " " "	763.54		
Chesterville	2 " " " "	120.45		
Martintown	2 " " " "	325.62		
Prescott	2 " " " "	473.71		
Totals—Municipalities		40,682.98		13,680.10
Totals—Companies (from commencement of operations)		15,372.05		
Grand Totals		56,055.03		13,680.10

ST. LAWRENCE SYSTEM

Reserve for Contingencies Account, October 31, 1923

Balance brought forward, October 31, 1922		$6,255.17
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$3,358.65	
Provision against equipment employed in respect of contracts with sundry companies	6,589.50	
Net profits from contracts with sundry power customers	6,414.50	
Interest at 4% per annum on monthly balances to the credit of the account	250.21	
		16,612.86
		$22,868.03
Balance carried forward, October 31, 1923		$22,868.03

SYSTEM **SINKING FUND**

pality, Sinking Fund requirements the payment of which has been deferred by the certain Municipalities which have been operating more than five years, including interest allowed thereon to October 31, 1923

Sinking fund requirements paid (or charged) as part of the cost of power		Interest at 4% per annum allowed on sinking fund requirements which have been paid	Total sinking fund payments and accumulated interest to the credit of the municipality on October 31, 1923
(a) For period of	(b) Amount		
	$ c.	$ c.	$ c.
3 years ending Oct. 31, 1923	14,575.74	607.67	15,183.41
4 " " " "	4,657.20	297.64	4,954.84
4 years ending Oct. 31, 1923	3,567.43	227.67	3,795.10
3 " " " "	310.32	10.71	321.03
4 " " " "	2,208.87	139.06	2,347.93
2 " " " "	763.54	26.95	790.49
2 " " " "	120.45	2.39	122.84
2 " " " "	325.62	5.99	331.61
2 " " " "	473.71	3.96	477.67
	27,002.88	1,322.04	28,324.92
(From commencement of operations)	15,372.05	586.37	15,958.42
	42,374.93	1,908.41	44,283.34

ST. LAWRENCE

Statement showing the net Credit or Charge to each Municipality in respect of power year, also the net amount Credited or Charged to each Municipality in respect amount standing as a Credit or Charge

Municipality	Date commenced operating	Net credit or charge at October 31, 1922		Cash payments on account of such credits during the year
		Credit	Charge	Charged
		$ c.	$ c.	$ c.
Alexandria	Jan., 1921	.....	3,805.05	.....
Apple Hill	April, 1921	.....	366.06	.....
Brockville	April, 1915	17,059.47	.....	17,059.47
Chesterville	April, 1914	1,446.42	.....	1,446.42
Lancaster	May, 1921	.....	3,180.01	.....
Martintown	May, 1921	165.97	.....	165.97
Maxville	Feb., 1921	.....	2,531.53	.....
Prescott	Dec., 1913	2,867.18	.....	2,786.30
Williamsburg	April, 1915	61.28	.....	61.28
Winchester	Jan., 1914	3,511.74	.....	2,277.00
Rural Power Districts—				
Brockville	July, 1922	778.36	.....	.....
Chesterville	May, 1922	.....	56.27	.....
Martintown	Jan., 1922	.....	578.16	.....
Prescott	June, 1922	54.62	.....	.....
Totals	.....	25,945.04	10,517.08	23,796.44

RIDEAU

Operating Account for Year

COSTS OF OPERATING AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$5,333.72
Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of this system		36,038.10
Interest on capital investment		72,546.82
Provision for renewal of generating plant, lines, stations, etc		10,817.76
Provision for contingencies:		
By charges against municipalities	$3,587.70	
By charges against contracts with private company, which purchased power	641.55	
By appropriating the net profit on power sold to private company	647.64	
		4,876.89
		$129,613.29

SYSTEM CREDIT OR CHARGE

supplied to it to October 31, 1922, the cash payments, and interest added during the of power supplied in the year ending October 31, 1923, and the accumulated to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	152.20	2,495.31	.....	.....	1,461.94
.....	14.62	266.73	.....	.....	113.95
300.28	.....	7,860.62	.....	8,160.90	.....
42.15	.....	1,568.91	.....	1,611.06	.....
.....	127.20	.....	1,988.11	.....	5,295.32
4.94	.....	26.31	.....	31.25	.....
.....	101.26	.....	695.26	.....	3,328.05
95.75	.....	2,130.91	.....	2,307.54	.....
1.74	.....	362.95	.....	364.69	.....
102.56	.....	1,368.92	.....	2,706.22	.....
31.13	.....	531.98	.....	1,341.47	.....
.....	2.25	20.04	.....	.....	38.48
.....	23.13	.....	299.00	.....	900.29
2.18	.....	.....	250.90	.....	194.10
580.73	420.66	16,632.68	3,233.27	16,523.13	11,332.13

SYSTEM

ending October 31, 1923

REVENUE FOR PERIOD

Collected from municipalities		$105,033.40
Power sold to private company		18,777.41
		$123,810.81
Add:		
Amounts due by certain municipalities, being the difference between sums paid and the costs of power supplied to them in the year..	$5,859.58	
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year....	57.10	5,802.48
Revenue		$129,613.29

RIDEAU

Statement showing the amount to be paid by each Municipality as the Cost, received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power to Commission
	To Dec. 31, 1922	To Oct. 31, 1923			
	$ c.	$ c.	$ c.		$ c.
Carleton Place	44.00	44.00	320,585.51	796.9	1,507.52
Kemptville	80.00	60.00	50,899.50	94.9	179.53
Lanark	92.50	75.00	22,253.56	32.5	61.48
Perth	45.00	45.00	215,774.12	526.5	995.99
Smiths Falls	40.00	40.00	322,432.98	941.0	1,780.11
Totals—Municipalities			931,945.67	2,391.8	4,524.63
Totals—Companies			150,330.86	427.7	809.09
Non-operating capital			802.68		
Grand Totals			1,083,079.21	2,819.5	5,333.72

RIDEAU SYSTEM

Reserve for Renewals Account, October 31, 1923

Total provision for renewals to October 31, 1922		$33,884.43
Deduct expenditures to October 31, 1922		113.43
Balance brought forward, October 31, 1922		$33,771.00
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$9,315.21	
Provision against equipment employed in respect of contracts with sundry companies	1,502.55	
Interest at 4% per annum on monthly balances to the credit of the account	1,350.84	
		12,168.60
		$45,939.60
Expenditures during the year ending October 31, 1923		529.23
Balance carried forward October 31, 1923		$45,410.37

SYSTEM COST OF POWER

under Section 23 of the Act, of Power supplied to it by the Commission, the amount and the amount remaining to be credited or charged to each Municipality cost of power supplied to it in the year ending October 31, 1923

Share of operating costs and fixed charges				Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Operating maintenance and administrative expenses	Interest	Renewals	Contingencies			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,960.29	21,489.84	3,204.44	1,195.35	37,357.44	35,062.54	.....	2,294.90
1,789.21	3,412.31	508.83	142.35	6,032.23	6,089.33	57.10	.....
744.07	1,492.00	222.47	48.75	2,568.77	2,547.45	.....	21.32
6,678.86	14,464.13	2,156.81	789.75	25,085.54	23,692.33	.....	1,393.21
11,765.59	21,612.04	3,222.66	1,411.50	39,791.90	37,641.75	.....	2,150.15
30,938.02	62,470.32	9,315.21	3,587.70	110,835.88	105,033.40	57.10	5,859.58
5,100.08	10,076.50	1,502.55	641.55	18,129.77	18,777.41	*647.64	.....
.....	.....	.....	.....	.....	.....	.....	.....
36,038.10	72,546.82	10,817.76	4,229.25	128,965.65	123,810.81	.....	.....

*Note—Transferred to credit of Contingency Reserve.

RIDEAU SYSTEM

Reserve for Contingencies Account, October 31, 1923

Balance brought forward, October 31, 1922		$7,673.25
Added during the year ending October 31, 1923:		
Amounts charged to municipalities as part of the cost of power delivered to them	$3,587.70	
Provision against equipment employed in respect of contracts with sundry companies	641.55	
Net profits from contracts with sundry power customers	647.64	
Interest at 4% per annum on monthly balances to the credit of the account	306.93	
		5,183.82
		$12,857.07
Deduct:		
Expenditures for the year ending October 31, 1923		1,200.00
Balance carried forward, October 31, 1923		$11,657.07

RIDEAU

Statement showing the net Credit to each Municipality in respect of power supplied year, also the net amount Credited or Charged to each Municipality in respect amount standing as a Credit or Charge

Municipality	Date commenced operating	Net credit or charge at October 31, 1922	Cash payments on account of such credits during the year
		Credit	Charge
		$ c.	$ c.
Carleton Place	May, 1919	11,191.91	11,191.91
Kemptville	Dec., 1921	2,446.38	2,446.38
Lanark	Sept., 1921	941.89	941.89
Perth	Feb., 1919	4,094.67	4,094.67
Smiths Falls	Sept., 1918	11,829.93	11,829.93
Totals		30,504.78	30,504.78

THUNDER BAY

Statement showing the Cost of Operation, Administration and Interest and the amount horsepower in the year ending October 31, 1923; also the balance of the year's Arthur and other power

Municipality	Rate per horsepower charged during the year	Capital cost of system as at October 31, 1923	Average horsepower supplied in year after correction for power factor
Port Arthur	$21.00	$6,526,859.72	$13,353.51
Non-operating capital		337,365.90	
		$6,864,225.62	

SYSTEM CREDIT OR CHARGE

to it to October 31, 1922, the cash payments, and interest added during the of power supplied in the year ending October 31, 1923, and the accumulated to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
268.00	.....	.....	2,294.90	.....	2,026.90
56.87	.....	57.10	.....	113.97	.....
22.00	.....	.....	21.32	0.68	.....
98.19	.....	.....	1,393.21	.....	1,295.02
250.98	.....	.....	2,150.15	.....	1,899.17
696.04	.....	57.10	5,859.58	114.65	5,221.09

SYSTEM

charged the City of Port Arthur for power delivered at the interim rate of $21.00 per Interest remaining to be collected out of future Revenues from the City of Port customers of the System

Operating, maintenance and administration expenses	Amount charged to city of Port Arthur	Excess of revenue over operating, maintenance and administration expenses	Interest	Balance of interest deferred and collectible out of future revenue
$66,943.06	$280,423.71	$213,480.65	$406,611.92	$193,131.27

THUNDER BAY SYSTEM

Statement showing amount of Interest deferred and collectible out of future Revenue from the City of Port Arthur and other power customers on the System as at October 31, 1923

Amount of interest deferred as per operating statements for the two years ending October 31, 1922	Additional interest deferred because of adjustments made in the last fiscal year.	Amount deferred as per operating statement for the year ending October 31, 1923	Total interest deferred as at October 31, 1923
$318,320.65	$109,366.41	$193,131.27	$620,818.33

CENTRAL ONTARIO AND TRENT SYSTEM AND NIPISSING SYSTEM

The following balance sheet and operating account relate to the systems known as "Central Ontario and Trent" and "Nipissing" which together serve electrical energy to fifty-seven municipalities and companies. The Central Ontario and Trent system extends from the municipality of Whitby on the west to and including the city of Kingston on the east and as far north as Lindsay. The Nipissing system supplies the town of North Bay and vicinity. These systems were purchased by the provincial Government, as at the 1st of March, 1916, from the Electric Power Company, Limited, which owned or controlled the capital stock of twenty-two subsidiary companies, the purchase price being the sum of $8,350,000, payable in ten years, secured by a government bond issue bearing interest at four per cent per annum.

Since the acquisition of these properties, and their transfer to the Commission to operate in trust for the Government, it has been found necessary to enlarge, extend and improve the systems to meet the increasing demands for electrical service.

The Central Ontario system and the Trent system both receive their electrical energy from the same sources of power supply through the same main transmission network, and from the standpoint of power development and electrical operation are regarded as a unit and now known as the Central Ontario and Trent system. It may be explained that after the Central Ontario system was purchased by the Provincial Government, a number of municipalities in Central Ontario, from time to time, applied to the Hydro-Electric Power Commission for power to be supplied under the provisions of the Power Commission Act. The municipalities in central Ontario which thus enter into direct relationship with the Hydro-Electric Power Commission are for purposes of financial administration grouped in what is termed the "Trent" system.

The operation of these two systems—the "Central Ontario and Trent" and the "Nipissing"—entails the generation, transformation and transmission of electrical energy to thirty-seven municipalities and twenty companies, and in addition thereto the operation of three gas plants—at Peterborough, Oshawa and Cobourg—the Cobourg waterworks, the Peterborough street railway, the Campbellford pulp mill and certain pulpwood limits connected therewith.

With the exception of sixteen municipalities, namely, Bloomfield, Havelock, Kingston, Kingston Rural District, Lakefield, Madoc, Marmora, Norwood, Omemee, Oshawa Rural District, Peterborough, Picton, Stirling, Warkworth, Wellington and Whitby, fourteen of which were connected to the system subsequent to the date of purchase, and constitute the Trent system, the whole property, local and otherwise, is operated and maintained by the Commission. Although the ownership of the whole plant is vested in the province (except the sixteen local systems of the municipalities mentioned) precisely the same methods, with respect to the control of rates, operation, maintenance, and provision for renewal of plant and equipment, are applied, as appertain to the other systems controlled and operated by the Commission.

An annual adjustment of the system's capital cost and expenses is made and those municipalities operating their own utilities and which have contracts for power to be supplied at cost, receive an additional charge or credit—as the case may be—on account of power cost as ascertained by this adjustment, just as is done in the case of the municipalities comprising the Niagara system and other systems.

CENTRAL ONTARIO

(ALSO NIPISSING

Operated by the Hydro-Electric

Statements of Assets and

ASSETS

Central Ontario:		
Power developments and hydraulic rights	$6,321,233.77	
Transformer stations	699,260.73	
Transmission lines	1,591,454.01	
		$8,611,948.51
Service buildings		17,477.57
Local Utilities—electric, gas, water and street railway		2,645,334.56
Nipissing:		
Power development and standby plant	$555,674.41	
Transformer stations	36,281.35	
Transmission lines	45,048.09	
		637,003.85
Service buildings		5,924.80
Local Utilities—electric		205,479.11
Rural lines		32,168.95
Pulpmill and pulpwood areas		536,615.16
		$12,691,952.51
Sinking Fund:		
Invested in securities of the Province of Ontario—par value $43,000.00	$43,000.00	
Interest accrued thereon	985.42	
		43,985.42
Investments:		
Reserve Funds—Invested in securities of the Dominion of Canada (par value $700,000.00)	$700,000.00	
Interest accrued thereon	14,750.00	
Debentures of the town of Trenton re sale of waterworks	19,253.46	
Debentures of the town of Napanee re sale of property and water privileges	12,499.15	
Interest accrued thereon	1,231.27	
		747,733.88
Premium on bond investments		14,468.20
Inventories:		
Tools and equipment	$64,461.62	
Material and supplies	273,915.19	
		338,376.81
Accounts Receivable:		
Power and pulp mills accounts	$131,290.19	
Consumers' supply—sales accounts	21,706.23	
Consumers' light and power accounts	38,592.19	
	$191,588.61	
Less: Reserve for doubtful accounts	6,070.95	
		185,517.66
Advances to contractors, in respect of pulpwood operations		10,308.93
Balances due by certain municipalities in respect of the costs of power supplied to them as provided to be paid under their contracts with the Commission		41,260.75
Due by municipalities in respect of the operation of rural lines		7,135.20
Cash in banks		1,843.89
Hydro-Electric Power Commission of Ontario—cash held on deposit for account of this System		871.85
Expenses and insurance prepaid		24,813.47
Deferred maintenance—re-insulation of transmission lines chargeable to future operations		14,330.63
Operating deficit		122,679.95
		$14,245,279.15

AND TRENT SYSTEM

SYSTEM)

Power Commission of Ontario

Liabilities, October 31, 1923

LIABILITIES

Provincial Treasurer:		
Purchase price of System	$8,350,000.00	
Debentures issued in connection with purchase of Bruton Township pulpwood area	225,000.00	
Cash advances	4,136,858.78	
		$12,711,858.78
Accounts payable and accrued charges	$17,876.78	
Consumers' deposits	16,390.26	
Unearned water rates	2,480.00	
		36,747.04
Discount on bond investments		2,910.00
Balances due to certain Municipalities in respect of amounts paid by them in excess of the cost of power supplied to them as provided to be paid under their contracts with the Commission		4,552.17
Due to certain Municipalities in respect of the operation of rural lines		415.16
Reserve for renewals		1,327,506.25
Reserve for contingencies		115,115.54
Reserve for sinking fund:		
For retirement of bonds in purchase of Bruton Township pulpwood areas	$38,008.04	
For repayment of cost of mill at Bancroft	5,152.49	
In respect of rural lines	3,013.68	
		46,174.21
		$14,245,279.15

CENTRAL ONTARIO

(ALSO NIPISSING

Operating Account for Year

COST OF OPERATIONS

Power Department:		
Power purchased	$16,229.08	
Cost of operating and maintaining generating plants, transmission lines, stations, etc., including rentals of water powers, and the proportion of administrative expenses chargeable to the operation of the Power Department	439,329.26	
Interest on capital investment	473,366.57	
Provision for renewal of generating plants, lines, stations, etc	80,618.03	
Provision for contingencies	78,441.20	
		$1,087,984.14
Utilities:		
Cost of operating and maintaining electric light distribution systems, gas systems, water system and the Peterboro Street Railway, including all materials and supplies purchased and the proportion of administrative expenses chargeable to the operation of these Utilities	$432,179.24	
Interest on capital investment	146,111.35	
Provision for renewal of plants and equipment	47,884.45	
		626,175.04
Total cost of operation of Power Department and Utilities		$1,714,159.18
Cost of operating Rural Lines, including power supplied, operating expenses, interest, renewals and sinking fund		10,600.75
Net loss for year on operation of Pulp Mill, and Bruton Township Pulpwood Areas		15,892.81
		$1,740,652.74
Net operating surplus for year		32,439.59
		$1,773,092.33

Surplus

Debit balance brought forward, October 31, 1922	$155,119.54
	$155,119.54

AND TRENT SYSTEM

SYSTEM)

Ending October 31, 1923

REVENUE

Power sold to private companies and certain municipalities	$308,689.49	
Power supplied to certain other municipalities at cost in accordance with their contracts with the Commission	166,621.96	
Power supplied at cost to the Peterboro Street Railway, and the Campbellford Pulp Mill	57,099.29	
		$532,410.74
Light and power sold to consumers on the twenty electric light distribution systems		861,144.91
Gas sold to consumers on three gas systems and sales of by-products		218,081.90
Water sold to consumers on one water system		37,073.87
Revenue from Peterboro Street Railway		86,823.68
Total revenue from Power Department and Utilities		$1,735,535.10
Revenue from the operation of Rural Lines, less the balances credited to the municipalities under their contracts with the Commission		10,600.75
Net profit on sales of equipment and supplies		26,956.48
		$1,773,092.33

Account

Net operating surplus for the year ending October 31, 1923	$32,439.59
Balance, as shown on statement of Assets and Liabilities	122,679.95
	$155,119.54

CENTRAL ONTARIO

Statement showing the amount to be paid by each of the following Municipalities received by the Commission from each Municipality on account of such ascertainment, by annual adjustment, of the actual cost of power

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.		$ c.	$ c.
Bloomfield	72.50	33,871.62	60.9	925.14	1,777.40
Havelock	65.00	31,866.46	68.8	1,505.11	1,679.26
Lakefield	45.00	46,921.95	108.8	1,319.77	2,461.81
Marmora	35.00	15,129.64	44.7	702.60	794.12
Norwood	38.00	23,833.45	87.2	1,620.09	1,254.55
Peterboro	22.50	949,699.36	4,738.9	45,302.74	49,695.36
Picton	52.00	167,404.57	364.8	4,899.19	8,786.83
Warkworth	85.51	7,289.02	2.2	265.89	49.23
Wellington	50.00	32,962.61	77.9	1,010.82	1,728.66
Whitby	29.00	129,383.16	583.1	6,237.59	6,774.74
Totals		1,438,361.84		63,788.94	75,001.96

RURAL

District	Capital cost	Cost of power	Operating, maintenance and administrative expense
	$ c.	$ c.	$ c.
Oshawa Rural District	35,646.53*	2,122.15	2,666.23
Kingston Rural District	14,694.76	475.12	269.27

*Includes $18,179.85 invested by townships.

AND TRENT SYSTEM — COST OF POWER

as the Cost of Power supplied to it under its contract with the Commission, the amount cost, and the amount credited or charged to each Municipality upon supplied to it in the year ending October 31, 1923

costs and fixed charges		Total cost of power for year as provided to be paid under contracts	Amount paid to the Commission by each municipality	Amount credited or charged to each municipality upon ascertaining the cost of power by annual adjustment	
Renewals	Contingencies			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
374.29	121.80	3,198.63	4,413.39	1,214.76	.....
344.67	137.60	3,666.64	4,469.79	803.15	.....
499.01	217.60	4,498.19	4,897.55	399.36	.....
153.32	89.40	1,739.44	1,565.63	.....	173.81
229.06	174.40	3,278.10	3,311.97	33.87	.....
8,052.35	9,477.80	112,528.25	106,624.56	.....	5,903.69
1,799.71	729.60	16,215.33	18,968.75	2,753.42	.....
9.81	4.40	329.33	192.29	.....	137.04
349.19	155.80	3,244.47	3,896.21	651.74	.....
1,147.78	1,166.20	15,326.31	16,910.39	1,584.08	.....
12,959.19	12,274.60	164,024.69	165,250.53	7,440.38	6,214.54

LINES

Fixed charges			Instalments paid on bonds issued by townships	Total cost of power, operating expenses and fixed charges	Revenue from consumers	Amount remaining to be credited to the municipalities
Interest	Renewals	Sinking fund				
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,696.26	1,003.02	305.56	592.82	8,986.04	11,133.08	2,147.04
548.12	203.94	118.26	.....	1,614.71	2,029.87	415.16

CENTRAL ONTARIO AND TRENT SYSTEM
(ALSO NIPISSING SYSTEM)
Reserve for Renewals Account, October 31, 1923

Total provision for renewals to October 31, 1922		$1,247,239.64
Deduct:		
Expenditures to October 31, 1922		67,317.39
Balance brought forward, October 31, 1922		$1,179,922.25
Added during the year ending October 31, 1923:		
By charges against operations	$132,708.81	
Interest at 4% per annum on the monthly balances to the credit of the account	47,164.33	
		179,873.14
		$1,359,795.39
Deduct:		
Expenditures during the year ending October 31, 1923		32.289.14
Balance carried forward, October 31, 1923		$1,327,506.25

CENTRAL ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of power added during the year, also the net amount credited or charged to each and the accumulated amount standing as a credit

Municipality	Date commenced operating	Net credit or charge October 31, 1922		Cash receipts and payments on account of such credits and charges made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Bloomfield	April, 1919	.....	856.14	.....	.....
Havelock	Feb., 1921	366.81	.....	.....	366.81
Lakefield	Aug., 1920	.....	566.06	43.81	.....
Marmora	Jan., 1921	.....	462.40	462.40	.....
Norwood	Feb., 1921	.....	29.18	15.34	.....
Peterboro	Mar., 1916	.....	32,728.35	.....	.....
Picton	April, 1919	3,278.44	.....	.....	3,278.44
Warkworth	Oct., 1923	.....	.....	.....	.....
Wellington	April, 1919	633.40	.....	.....	633.40
Whitby	Mar., 1916	.....	2,354.84	.....	.....
Totals	.....	4,278.65	36,996.97	521.55	4,278.65

RURAL

Oshawa Rural District—Whitby Township, East Whitby Township, Pickering Township.	April, 1918	.....	8,925.23	.....	.....
Kingston Rural District	Jan., 1923	.....	.....	.....	.....

CENTRAL ONTARIO AND TRENT SYSTEM
(ALSO NIPISSING SYSTEM)
Reserve for Contingencies Account, October 31, 1923

Balance brought forward, October 31, 1922		$38,058.00
Added during the year ending October 31, 1923:		
By charges against operations	$78,441.20	
Interest at 4% per annum on the monthly balances to the credit of the account	1,479.68	
		79,920.88
		$117,978.88
Deduct:		
Expenditures to cover contingencies met with during the year ending October 31, 1923		2,863.34
Balance carried forward, October 31, 1923		$115,115.54

AND TRENT SYSTEM

CREDIT OR CHARGE

supplied to it to October 31, 1922, the cash receipts and payments thereon, and interest
Municipality in respect of power supplied in the year ending October 31, 1923,
or charge to each Municipality at October 31, 1923

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1923		Accumulated amount standing as a credit or charge on October 31, 1923	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	34.24	1,214.76	.....	324.38	.....
.....	.....	803.15	.....	803.15	.....
.....	20.89	399.36	.....	.....	143.78
.....	.....	.....	173.81	.....	173.81
.....	.55	33.87	.....	19.48	.....
.....	1,309.13	.....	5,903.69	.....	39,941.17
.....	.....	2,753.42	.....	2,753.42	.....
.....	.....	.....	137.04	.....	137.04
.....	.....	651.74	.....	651.74	.....
.....	94.19	1,584.08	.....	.....	864.95
.....	1,459.00	7,440.38	6,214.54	4,552.17	41,260.75

LINES

.....	357.01	2,147.04	.....	.....	7,135.20
.....	.....	.....	415.16	415.16	.....

THOROLD

Statement of Assets and

ASSETS

Transmission and distribution system, contracts, franchises and goodwill	$102,094.82
Due by consumers in respect of power accounts	9,362.94
Hydro-Electric Power Commission of Ontario:	
Cash belonging to this system in hands of the Commission	87,552.63
	$199,010.39

THOROLD

Operating Account for Year

COST OF OPERATION

Power purchased		$30,218.41
Cost of operating and maintaining transmission lines, and stations, including proportion of administrative expenses chargeable to this system		1,474.89
Interest		4,111.03
Provision for renewal of lines and stations		978.85
Provision for sinking fund:		
For repayment of purchase price of system	$1,940.25	
Collected from municipality of Thorold as part of the cost of power delivered to it	134.10	
		2,074.35
		$38,857.53
Operating profit for year		102.85
		$38,960.38

THOROLD

Surplus

Appropriated for the purpose of providing sinking fund for repayment of the purchase price of the system	$102.85

SYSTEM

Liabilities, October 31, 1923

LIABILITIES

Hydro-Electric Power Commission of Ontario:	
Bonds issued to cover purchase price	$100,000.00
Balance due to the municipality of Thorold in respect of amount paid by it to October 31, 1922, in excess of the cost of power supplied to it as provided to be paid under its contract with the Commission	1,371.51
Reserve for sinking fund	92,565.07
Reserve for renewals	5,073.81
	$199,010.39

SYSTEM

Ending October 31, 1923

REVENUE FOR PERIOD

Power sold to private companies	$33,602.69
Proportionate share of expense chargeable to the municipality of Thorold transferred to Niagara system	895.13
	$34,497.82
Commissions (or royalties) received from the Ontario Power Company of Niagara Falls on power sold by it to power customers in Thorold district	4,462.56
	$38,960.38

SYSTEM

Account

Operating profit for year	$102.85

ESSEX COUNTY

Statement of Assets and

ASSETS

Transmission lines, transformer stations and local distribution systems.		$395,432.06
Furniture and Equipment:		
Office furniture	$1,004.87	
Motor trucks	1,286.67	
Tools	741.21	
		3,032.75
Materials and Supplies		14,071.34
Accounts Receivable:		
Consumers accounts—power and light	$1,339.01	
Consumers accounts—sundry supplies	1,102.08	
Mortgage receivable on property sold	910.50	
Refund receivable, re defective equipment	484.67	
	$3,836.26	
Less reserve for doubtful account	250.00	
		3,586.26
		$416,122.41

ESSEX COUNTY

Operating Account for Year

COST OF OPERATION

Power purchased	$37,255.77
Cost of operating and maintaining transmission lines, stations and distribution systems, including the proportion of administrative expense chargeable to the operation of the system	32,586.52
Interest on capital investment	18,202.23
Provision for renewal of lines, stations and distribution systems	7,834.06
Provision for sinking fund	7,210.95
Total cost of operation	$103,089.53
Operating profit for year	39,365.88
	$142,455.41

SYSTEM

Liabilities, October 31, 1923

Liabilities		
Hydro-Electric Power Commission of Ontario:		
Bonds issued to cover purchase price	$226,000.00	
Cash advances from the Province of Ontario	62,000.00	
Cash advances from the renewal and other reserve funds in the hands of the Commission	46,627.20	
	$334,627.20	
Less sinking fund on deposit therewith	36,879.19	$297,748.01
Accounts payable	$22.35	
Consumers deposits	2,555.11	2,577.46
Reserve for sinking fund		36,879.19
Reserve for renewals		56,727.82
Operating Surplus:		
Net profit for the year ending October 31, 1923	$39,365.88	
Less:		
Deficit brought forward, October 31, 1922 $3,578.32		
Sinking fund on extensions and betterments, 1918 to 1922 8,315.62		
Loss on sale of 60-cycle equipment 5,282.01		
	17,175.95	
Net Surplus		22,189.93
		$416,122.41

SYSTEM

Ending October 31, 1923

Revenue for period	
Sales of power and light	$140,585.41
Profit on sales and supplies	1,870.00
	$142,455.41

THE ONTARIO POWER COMPANY OF NIAGARA FALLS AND THE TORONTO POWER COMPANY, LIMITED

Financial Statements

October 31, 1923

The Ontario Power Company of Niagara Falls, including the Ontario Transmission Company, Limited, were purchased by the Commission under the authority of the Legislature (7 Geo. V, Cap. 20).

The agreement provided for the purchase by the Hydro-Electric Power Commission of the stock of the Ontario Power Company and its auxiliary, the Ontario Transmission Company, Limited, for the sum of $8,000,000 in forty-year, four per cent bonds of the Commission, guaranteed by the Province, and the assumption of the bonded indebtedness of the Corporation.

The statements submitted herewith show the Balance Sheet as of October 31, 1923, the Operating Report for the year ending on that date, and a digest of the Appropriation Account showing the distribution of the surplus earnings, and the net surplus transferred to the balance sheet.

The Operating Statement for the year ending October 31, 1923, shows a surplus of $631,746.13, after providing for all costs of operation, exchange, discount on bonds, bond and other interest charges, and an adequate yearly provision for renewal of the plant. This sum is augmented by the credit balance brought forward from 1922 and the surplus arising from bond redemption during the year. Thus there is a surplus balance of $733,119.43, which has been appropriated to meet interest, exchange, and sinking fund requirements in respect to the bonds issued by the Commission in purchase of capital stock of the Company, and also to provide the sinking fund requirements in respect to the other bond issues, leaving a net surplus of $98,543.03.

The Toronto Power Company, Limited, and its subsidiaries, The Electrical Development Company of Ontario, Limited, and Toronto and Niagara Power Company, were purchased by the Commission (as at December, 1920) under Legislative authority and by virtue of an agreement consummated under date of August 15, 1922, between the Toronto Railway Company—Vendor—and the Hydro-Electric Power Commission of Ontario—Purchaser.

The agreement provides for the purchase by the Hydro-Electric Power Commission of Ontario of the whole of the capital stock issued and outstanding and the assumption of the bonded indebtedness of the Companies.

The Balance Sheet as at October 31, 1923, and the Operating Report for the twelve months ending October 31, 1923, are submitted herewith.

The Operating statement shows a surplus of $222,317.17, after providing for all costs of operation and maintenance, etc., bond interest, and an adequate provision for renewal of the plant. This sum is augmented by the credit balance

brought forward from 1922 and the surplus arising from bond redemption and exchange profits during the year. Thus there is a surplus balance of $397,210.80, which has been appropriated to meet interest and sinking fund requirements in respect to the bonds issued by the Commission in purchase of capital stock of the Companies and also to provide the sinking fund requirements in respect to the other bond issues, leaving a net surplus of $137,110.47.

Up to the present time these properties have been operated in conjunction with the Niagara system, but as separate units. In the year 1924 these properties will be transferred to the Hydro-Electric Power Commission of Ontario (see the Power Commission and Companies' Transfer Act, 1924) and will become an integral part of the Niagara system.

THE ONTARIO POWER COMPANY OF NIAGARA FALLS AND

Balance Sheet

ASSETS

Plant, real estate, transmission lines, distributing stations and rights, franchises and goodwill	$25,140,169.73	
Third pipe line to power plant, including additional generating equipment	3,516,524.29	
		$28,656,694.02
Discount on bonds capitalized, less amounts written off, $803,933.99	$887,451.92	
American exchange on remittance to retire 1921 bonds, less amounts written off, $42,114.77	316,012.93	
		1,203,464.85
Construction equipment	$4,593.15	
Maintenance, tools and equipment	24,601.67	
Furniture and fixtures	7,430.72	
Instruments	452.96	
Horses, wagons and sundry equipment	1,019.02	
Materials	44,186.72	
		82,284.24
Accounts receivable	$247,187.37	
Cash in bank—Current account	136,504.09	
For payment of outstanding interest coupons	50,920.00	
Sinking fund on deposit with Trustees	567.87	
		435,179.33
J. J. Albright and Niagara Lockport Co.—Claims against		445,113.20
Insurance and taxes prepaid		18,160.48
		$30,840,896.12

THE ONTARIO TRANSMISSION COMPANY, LIMITED

October 31, 1923

LIABILITIES

Capital Stock:			
Ontario Power Company of Niagara Falls, 100,000 shares of par value of $100 each		$10,000,000.00	
Ontario Transmission Company, Limited, 10,000 shares of par value of $100 each		1,000,000.00	
			$11,000,000.00
Bonds and Debentures:			
Ontario Power Company of Niagara Falls, First mortgage 5% gold bonds, due 1st February, 1943—issued and outstanding		$8,980,000.00	
(Pledged to the Bank of Montreal to secure advances to the Hydro-Electric Power Commission of Ontario, $1,400,000.)			
Ontario Transmission Company, Limited, First mortgage 5% gold bonds due 1st May, 1945		1,568,000.00	
Interest coupons due and not yet presented for payment		11,720.00	
Interest accrued to October 31, 1922		151,450.00	
			10,711,170.00
Hydro-Electric Power Commission of Ontario:			
Re construction of third pipe line		$3,516,524.29	
Re 6% 1941 bonds issued by the Commission for the purpose of retiring the 1921 issue of the Power Company	$3,200,000.00		
Accrued interest thereon	67,856.16		
		3,267,856.16	
Accrued interest on $8,000,000 bonds issued by the Commission to cover the purchase price of the capital stock of the Power Company		80,000.00	
Current account		71,595.42	
			6,935,975.87
Accounts payable and accrued charges			385,765.17
Reserve for contingencies			199,924.84
Reserve for renewal of plant, equipment and transmission lines			1,509,517.21
Surplus			98,543.03
			$30,840,896.12

THE ONTARIO POWER COMPANY OF NIAGARA FALLS AND

Combined Revenue and Expenditure Account

EXPENDITURE

Power purchased		$346,960.09	
Water power rentals		111,615.68	
Taxes		93,079.84	
Maintenance costs		126,128.44	
Operating expenses		182,244.47	
Insurance premiums		8,798.87	
Administration and legal expenses		61,839.66	
Depreciation on furniture, instruments, construction plant and tools		10,998.98	
			$941,666.03
Provision for renewal of plant and equipment			116,540.34
Bond Interest:			
On issues of the companies	$531,816.94		
Exchange thereon	11,213.44		
On 6% 1941 issue of the Commission	192,000.00		
		735,030.38	
Proportion of Discount on Bonds:			
On issues of the companies	$38,420.04		
On 6% 1941 issue of the Commission	7,824.00		
		46,244.04	
Proportion of American exchange on remittance to retire 1921 bonds		17,907.84	
Interest on cash advances re third pipe line		196,705.97	
Other interest		38,769.18	
			1,034,657.41
			$2,092,863.78
Operating surplus carried to appropriation account			631,746.13
			$2,724,609.91

THE ONTARIO POWER COMPANY OF NIAGARA FALLS AND

Appropriation

Provision for Sinking Funds:			
On 5% first mortgage bonds of the Power Company		$95,466.00	
On 5% first mortgage bonds of the Transmission Company, Limited		16,789.50	
			112,255.50
On 8,000,000 bonds issued by the Commission to cover the purchase price of the capital stock of the Power Company		$100,000.00	
On 6% 1941 bonds to the amount of 3,200,000 issued by the Commission for the purpose of retiring the 1921 bonds of the Power Company		32,000.00	
On cash advances re construction of third pipe line		63,264.36	
			195,264.36
Provision for interest on $8,000,000 bond issue of the Commission		$320,000.00	
American exchange thereon		7,056.54	
			327,056.54
			$634,576.40
Surplus carried forward to Balance Sheet			98,543.03
			$733,119.43

THE ONTARIO TRANSMISSION COMPANY, LIMITED

for Year Ending October 31, 1923

REVENUE

Power Sales:		
To Sundry customers		$1,635,632.13
To Hydro-Electric Power Commission of Ontario for the purpose of—		
(a) The Niagara system		1,042,259.24
(b) The Thorold system		25,755.85
		$2,703,647.22
Miscellaneous revenue		20,962.69
		$2,724,609.91

THE ONTARIO TRANSMISSION COMPANY, LIMITED

Account

Surplus from October 31, 1922		$88,200.62
Operating surplus for year brought down		631,746.13
Profit on bonds redeemed in the year:		
First mortgage bonds of the Power Company	$1,830.27	
First mortgage bonds of the Transmission Company	1,000.00	
		2,830.27
Former provision to cover accrued portion of Sinking fund not now required		10,342.41
		$733,119.43

THE TORONTO POWER COMPANY,

ELECTRICAL DEVELOPMENT COMPANY OF ONTARIO, LIMITED,

Balance Sheet,

ASSETS

Plant and Equipment:		
Hydraulic and generating plant and equipment	$7,833,791.25	
Transformer stations, transmission lines (including right-of-way) and electrical equipment	8,828,623.97	
Properties at Scott Street (including Steam generating plant)	1,825,434.51	
Furniture and fixtures, automobiles, tools and instruments	20,693.71	
		$18,508,543.44
Water rights and privileges, franchises, contracts and goodwill		4,945,637.62
Material and supplies on hand		117,402.16
Accounts receivable—less provision for doubtful debts		513,907.52
Cash:		
In bank	$192,061.83	
Sinking fund on deposit with Trustees, for Bond holders	803.12	
Other funds on deposit with Trustees, for Bond holders	91,026.39	
On deposit to pay interest coupons overdue, but not presented	6,897.50	
		290,788.84
Claim against the Dominion Government in respect of Income Taxes paid for the thirteen months ending December 31, 1921—which should be recoverable		72,334.46
Expenses incidental to purchase by the Commission, of the capital stock of the Power Companies under purchase agreement, dated August 15, 1922—less portion written off		155,431.80
Prepaid taxes and insurance		17,628.39
		$24,621,674.23

NOTE: With the purchase by the Commission of the whole of the Capital Stock of the Toronto Power Company, Limited, for $413,200 (or $2,586,800.00 below par) the price actually paid by the Commission for Water Rights, Privileges, Franchises, Contracts and Goodwill, is, accordingly, reduced from $4,945,637.62 shown above to $2,358,837.62.

LIMITED, AND ITS SUBSIDIARIES

AND TORONTO AND NIAGARA POWER COMPANY

October 31, 1923

LIABILITIES

Capital Stock:			
Capital stock of the Toronto Power Company issued and outstanding			$3,000,000.00
Capital stock of the Electrical Development Company of Ontario, Limited—			
Common shares issued	$3,006,100.00		
Less: held by the Toronto Power Co.	3,005,500.00	$600.00	
Preference shares issued	$2,993,900.00		
Less: held by the Toronto Power Co.	2,993,350.00	550.00	
Outstanding in hands of public			1,150.00
Capital stock of the Toronto & Niagara Power Company		$874,100.00	
Less: held by the Electrical Development Company of Ontario, Limited		874,100.00	
Debenture Stock and Bonds:			
Guaranteed 4½% debenture stock of the Toronto Power Company, Limited, due May 1, 1941, guaranteed by The Hydro-Electric Power Commission of Ontario, and by the Province of Ontario		$11,822,632.30	
Five per cent. mortgage bonds of the Toronto Power Company, Limited, due July 1, 1924, secured by the preference stock of the Electrical Development Company of Ontario, Limited, and guaranteed by the Toronto Railway, Company		4,103,200.00	
First mortgage 5% gold bonds of the Electrical Development Company of Ontario, Limited, due March 1, 1933	$9,079,500.00		
Less: held by the Toronto Power Co.	5,014,000.00	4,065,500.00	
First mortgage 5% gold bonds of the Toronto and Niagara Power Co. due March 1, 1933	$1,500,000.00		
Less: held by the Electrical Development Co. of Ontario, Limited	1,500,000.00		
Interest accrued to October 31, 1923		102,265.82	
Interest coupons due but not presented		6,897.50	
			20,100,495.62
Hydro-Electric Power Commission of Ontario Current accounts			355,497.83
Accrued charges			12,694.92
Reserve for renewal of plant and equipment			567,401.47
Reserve for contingencies			447,323.92
Surplus			137,110.47
			$24,621,674.23

THE TORONTO POWER

Revenue and Expenditure Account for

EXPENDITURE		
Maintenance and Costs:		
Generating plant	$78,024.84	
Transmission system and steam plant	47,084.13	
		$125,108.97
Operating Expenses:		
Generating plant	$100,507.85	
Transmission system and steam plant	174,503.90	
		$275,011.75
Water Power Rentals		79,787.77
Taxes		89,261.97
Insurance		11,233.97
Administrative Expenses		43,784.20
Proportion of expenses incidental to purchase by the Commission of the Capital Stock of the Power Companies		25,059.81
Provision for renewal of plant and equipment		188,924.13
Interest:		
On 4½% guaranteed debenture stock of the Toronto Power Company	$544,644.57	
On 5% guaranteed bonds of the Toronto Power Company	204,974.18	
On 5% first mortgage bonds of the Electrical Development Company of Ontario	204,491.78	
		954,110.53
Operating surplus carried to Appropriation Account		222,317.17
		$2,014,600.27

THE TORONTO POWER

Appropriation

Provision for interest on $413,200 paid by the Commission for the capital stock of the Toronto Power Company, Limited (part of bond issue $619,000)		$24,792.00
Provision for Sinking Funds:		
On 4½% guaranteed debenture stock of the Toronto Power Company	$142,368.63	
On 5% guaranteed bonds of the Toronto Power Company	43,083.60	
On 5% First Mortgage Bonds of Electrical Development Company of Ontario, Limited	45,517.50	
On 6% $413,200 paid by the Commission for the capital stock of the Toronto Power Company, Limited (part of bond issue of $619,000)	4,338.60	
		235,308.33
Surplus carried forward		137,110.47
		$397,210.80

HYDRO-ELECTRIC POWER

Account with the Provincial Treasurer

OCTOBER 31, 1923:	
Cheques to cover interest for year ending October 31, 1923	$6,790,756.51
NOVEMBER 1, 1922, TO OCTOBER 31, 1923:	
Provincial expenditures	100,323.44
Balance carried down	127,443,784.02
	$134,334,863.97

COMPANY, LIMITED

Twelve Months Ending October 31, 1923

REVENUE

Power Sales:		
To Hydro-Electric Power Commission	$803,376.26	
To Sundry Customers	1,077,354.65	
		$1,880,730.91
Miscellaneous and Interest Revenue		133,869.36
		$2,014,600.27

COMPANY, LIMITED

Account

Surplus from 1922 brought forward		$116,737.09
Operating surplus brought down		222,317.17
Profit on redemption of debenture stock and bonds:		
On guaranteed debenture stock of the Toronto Power Company, Limited	$26,339.26	
On 5% first mortgage bonds of Electrical Development Company of Ontario, Limited	1,026.77	
		27,366.03
Exchange profits on remittances to London, England	$39,862.06	
Less: Exchange expense on remittances to New York	9,071.55	
		30,790.51
		$397,210.80

COMMISSION OF ONTARIO

for the Year Ending October 31, 1923

OCTOBER 31, 1923:		
Sundry cash advances:		
General account	$48,266,190.33	
Chippawa Development account	65,822,145.52	
Central Ontario System account	12,711,858.78	
Provincial expense account	176,291.25	
		$126,976,485.88
Interest on balances to October 31, 1923		6,997,462.34
Deferred interest in respect to Nipigon system to October 31, 1922		360,915.75
		$134,334,863.97
NOVEMBER 1, 1923:		
Balance		$127,443,784.02

SECTION X

MUNICIPAL ACCOUNTS

The Municipal Accounts section of this report presents the results of the operation of the various Hydro systems from a municipal standpoint collectively and individually. Statements prepared from figures extracted from the books of all Hydro municipalities are submitted herein to show how each has operated during the past year; also the financial status at the present time; as well as much useful statistical information, all so arranged as to permit of comparisons being made between various systems and between different municipalities in each system.

The books of account in all municipalities which have contracted with the Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with the provisions set forth in the publication "Uniform Accounting for Municipal Electric Utilities," issued by the Commission. The Commission, by a system of periodical inspections and reports, keeps in close touch with the operating conditions of each local system.

During the year 1923, the Uniform Accounting system was installed in the following municipalities as each became ready for the service: Agincourt, Belle River, Merlin, Paisley, Point Edward, Stouffville, Sutton, Warkworth and Whitby.

Periodical inspections were made of the books of all Hydro municipalities, and local officials have been assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities, much of the bookkeeping is performed by representatives of the Municipal Audit department, in order to insure the employment of proper classifications of revenue and expenditures, to save time in preparation of reports, to insure compliance with all the requirements of the Standard Accounting system, and to make certain that the accounts represent as truly as possible the actual operating results for the year.

The first financial statement in this preface presents consolidated operating reports for each year since Hydro was inaugurated and combines the results of all the systems. Study of this report will show that the revenue has been increasing to a most satisfactory degree. The annual surpluses, after providing all possible cost of operation, including an adequate depreciation charge, have increased until, in 1923, the combined annual surpluses amounted to $1,093,753.36, an increase of over 35% over the best previous year, 1920.

The second statement presents consolidated balance-sheets for each year since 1912, and also shows clearly the march of progress. It is worth noting that the total plant value has increased from $10,081,469.16 in 1913 to $48,428,562.56 in 1923, and the total assets from $11,907,826.86 to $62,892,-544.90. The liabilities have not increased in the same proportion as the assets, rising from $10,468,351.79 to $38,963,826.11. The reason for this is that much of the cost of the increasing plant value has been financed out of Surplus and Reserve accounts without increasing the liabilities of the various systems. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net debt to total assets; being from 88.0 per cent in 1913 to 64.9 per cent in

1923. The equity in the Hydro-Electric Power Commission System automatically acquired through the inclusion of sinking fund as part of the cost of power is not taken into account in arriving at these percentages.

Combined Balance Sheets: Following "Statement A" are presented balance-sheets combining the financial results of the two distinct divisions into which, so far as finances are concerned, the whole Hydro-Electric undertakings of the municipalities is divided. This matter is referred to at greater length on page 208 in the Introduction to Section IX, and information respecting the several columns of figures is given in a statement immediately preceding these balance-sheets.

The seven statements, "A" following the two consolidated reports, and "B" to "G" following the combined balance-sheets, show the results of operations and the financial status of each municipal system, and also give information respecting revenue, number of consumers and consumption; cost of power to municipalities; power and lighting rates charged to consumers, etc. Some of the figures are comparative for all the years of operation. In the statements "A," "B," and "C," the figures are arranged in groups under each system and alphabetically for the municipalities in each system; in the statements "D" to "G" all "Hydro" municipalities are arranged alphabetically.

"Statement A" shows balance-sheets for each municipality with the plant value sub-divided into the general natural sub-divisions specified in the standard accounting system, and there are also shown the other items which make up the total assets. It is to be noted that among the assets there are items entitled "Equity to Hydro System." These items represent the amount of accumulated Sinking Fund paid by the various municipalities through the medium of "Power Cost" toward the ultimate retirement of the Hydro-Electric Power Commission's construction debt. The total accumulation to the end of 1923 is shown on the Consolidated Balance-sheet to be $2,929,603.94.

In each case the balance-sheet is complete and final, including either in "Accounts receivable" or "Accounts payable" the adjustments with this Commission of the differences between the estimated and the actual costs of power.

The actual liabilities of each local system are set out under their general sub-divisions,—debenture balance, accounts payable, bank overdraft, and other liabilities, this last account including local debentures issued by municipalities to finance ornamental street light systems as local improvements.

The reserves for depreciation, and the acquired equity in the Hydro-Electric Power Commission system, are also listed separately and totalled; and under the heading "Surplus" is included not only the free operating profit but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue which properly belong under this heading.

The Depreciation Reserve now amounts to 22.1 per cent of the total depreciable plant, while the Depreciation Reserve and Surplus combined have already reached the sum of $20,999,114.85, approximating 43.4 per cent of the total plant cost.

"Statement B" is a consolidated condensed operating report, showing the essential figures of each municipal system's operation in such a manner as to facilitate a ready comparison of the various results. The population served by each system, as well as the number of customers and the load taken in December, 1923, are also shown in order to give an idea of the relative sizes of the respective utilities.

Of the 224 municipalities included in this report, a total of 19 failed to meet their actual cost of operation without regard to depreciation. A total of 21, including the above, failed to provide full theoretical depreciation in addition to all operating and maintenance expenses, but their relative unimportance is clearly disclosed by an examination of the reports. These 21 municipalities indicate a total theoretical loss of $84,400.49, while the remaining 203 municipalities piled up a surplus of $1,178,153.85, thus leaving a net surplus for all Hydro municipalities of $1,093,753.36 during the year.

"Statement C" shows detailed operating reports for each utility. The cost of power includes the adjustment made by this Commission and hence covers the actual cost and not the cost at the interim billed rates.

"Statement D," in many respects, is the most interesting report in the series. It gives more information respecting the actual results of operation from the viewpoint of the consumer than is obtainable from the published reports of any other system of electric utilities regardless of where operated or whether publicly or privately owned.

This "Statement D" shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial service in each municipality since "Hydro" was first installed. For comparative purposes the rates in effect prior to the installation of "Hydro" are also indicated. The average flat-rate cost of horsepower as billed to power customers since 1917 is also shown.

In many municipalities the average monthly bill has increased during the past two years. This is due to the steady increase in the use of better lighting, and the general installation of ranges, heaters and miscellaneous appliances. It is estimated that over 35,000 electric ranges are now in use and the number is increasing rapidly. In practically all municipalities the cost per kilowatt-hour has been steadily declining, due to the constantly increasing use of electric appliances, the adoption of a uniform follow-up rate of 2 cents per kilowatt-hour for domestic and farm service throughout the province, and the consequently large number of kilowatt-hours consumed at the lower rate.

"Statement E" shows the installation of street lights in each municipality together with the rates set by this Commission, the revenue for 1923 and the cost per capita in each municipality.

"Statement F" and **"Statement G"** present the local rates in use by each utility and also those charged by the Commission on the interim power bills.

Municipalities Out of Debt

The automatic reduction in the debenture debt, due to the annual principal or sinking fund payments being provided for out of revenue, and the remarkable accumulation of assets reflect the satisfactory financial condition of the Hydro utilities generally. The tabular statement on the opposite page shows in condensed form the relation of assets to liabilities in 54 municipalities. In the first 30 municipalities the quick assets such as cash, bonds, accounts receivable and inventories exceed in value the total liabilities, including the debenture balance, and they may fairly be considered as being out of debt. In the remaining 24 municipalities the excess of liabilities over the quick assets is relatively so small that a number of them will be transferred to the "out-of-debt" list when the books are closed at the end of 1924.

Municipality	Total assets	Total liabilities	Total quick assets	Net balance liabilities over quick assets	Excess of quick assets over all liabilities
	$ c.	$ c.	$ c.	$ c.	$ c.
Ailsa Craig	17,497.67	3,644.98	3,647.42	.....	2.44
Baden	21,511.16	4,584.97	6,437.62	.....	1,852.65
Barrie	228,131.81	30,211.59	72,787.07	.....	42,575.48
Beachville	29,903.50	4,181.00	9,949.85	.....	5,768.85
Bothwell	20,755.03	5,431.04	9,257.07	.....	3,826.03
Coldwater	20,358.70	6,155.70	6,960.90	.....	805.20
Collingwood	182,415.46	22,874.65	50,799.39	.....	27,924.74
Creemore	22,430.71	4,508.58	9,089.66	.....	4,581.08
Dundalk	15,696.42	3,727.66	3,816.22	.....	88.56
Elmvale	21,871.67	5,503.16	7,337.94	.....	1,834.78
Georgetown	78,814.01	16,665.53	19,210.14	.....	2,544.61
Lucan	29,205.97	8,700.56	9,859.42	.....	1,158.86
Mitchell	69,649.75	5,622.20	5,952.37	.....	330.17
Mt. Brydges	10,550.34	3,564.10	3,652.01	.....	87.91
New Toronto	119,011.38	9,548.27	13,912.70	.....	4,364.43
Norwich	46,779.49	10,608.60	13,679.25	.....	3,070.65
Otterville	11,886.07	3,289.24	4,165.08	.....	875.84
Palmerston	52,171.30	12,071.54	16,331.07	.....	4,259.53
Picton	87,161.21	3,074.30	36,800.32	.....	33,726.02
Prescott	89,362.96	16,225.66	21,604.66	.....	5,379.00
Ridgetown	60,033.73	14,127.35	22,770.36	.....	8,643.01
Rockwood	11,816.19	25.90	704.02	.....	678.12
St. George	16,398.69	5,081.44	8,056.25	.....	2,974.81
Tavistock	30,462.48	7,871.14	10,732.20	.....	2,861.06
Thamesford	15 759.16	3,937.17	4,296.58	.....	359.41
Waterdown	26,986.04	4,501.02	6,793.76	.....	2,292.74
Waterford	27,124.82	73.92	5,491.31	.....	5,417.39
West Lorne	25,365.17	8,618.46	10,405.15	.....	1,786.69
Winchester	28,588.14	9,877.55	12,098.97	.....	2,221.42
Zurich	13,927.40	5,131.30	6,200.38	.....	1,069.08
Acton	44,965.08	6,390.74	5,711.57	679.17	.....
Ayr	22,788.02	6,732.62	4,556.17	2,176.45	.....
Beaverton	33,306.57	12,706.85	8,930.69	3,776.16	.....
Caledonia	16,708.32	3,655.99	2 087.33	1 568.66	.....
Chesterville	21,643.34	5,992.82	4,473.32	1,519.50	.....
Dorchester	13,512.79	3,784.32	3,185.43	598.89	.....
Dutton	20,213.82	7,428.75	5,468.58	1,960.17	.....
Granton	9,025.79	3,714.83	2,964.15	750.68	.....
Hagersville	35,605.99	6,197.15	6,167.37	29.78	.....
Highgate	11,657.78	4,387.25	3,218.24	1,169.01	.....
Merritton	35,561.37	4,177.72	3,227.63	950.09	.....
Rodney	19,523.60	7,857.47	6,352.10	1,505.37	.....
St. Jacobs	12,314.65	5,814.59	3,333.32	2,481.27	.....
Seaforth	83,364.88	25,003.00	20,940.57	4,062.43	.....
Stayner	30,761.72	9,634.67	7,872.71	1,761.96	.....
Thamesville	26,448.41	8,774.34	8,335.16	439.18	.....
Thorold	75,607.54	6,753.13	6,505.16	247.97	.....
Tilbury	33,998.39	12,443.37	7,920.82	4,522.55	.....
Tillsonburg	107,262.23	27,569.37	25,097.15	2,472.22	.....
Victoria Harbour	14,229.12	4,687.79	4,631.73	56.06	.....
Watford	24,249.42	7,211.91	4,629.91	2,582.00	.....
Waubaushene	8,402.53	2,784.95	2,671.72	113.23	.....
Williamsburg	4,445.71	1,832.86	1,490.22	342.64	.....
Woodbridge	26,497.78	8,359.13	7,936.80	422.33	.....

A study of these various reports will clearly show that Hydro business in general and that of Hydro municipalities in particular are in a most satisfactory financial condition. There is no criticism of the working out of the economic policies of the Hydro-Electric Power Commission of Ontario which cannot intelligently and satisfactorily be met with direct appeal to the official figures in the balance sheets and operating reports herein presented.

CONSOLIDATED

Year	1912	1913	1914
Number of municipalities included	28	45	69
Earnings	$ c.	$ c.	$ c.
Domestic light		572,154.38	789,130.81
Commercial light		525,438.16	673,803.92
Commercial power		905,378.17	1,214,829.31
Municipal power			
Street light		560,925.56	698,409.71
Rural			
Miscellaneous		53,543.24	57,482.41
Total earnings	1,617,674.00	2,617,439.51	3,433,656.16
Expenses			
Power purchased		789,632.87	1,045,752.65
Substation operation		78,394.81	97,658.90
Substation maintenance		18,698.46	31,790.99
Distribution system operation and maintenance		104,114.51	130,998.65
Line transformer maintenance		8,547.61	11,764.32
Meter maintenance		5,222.19	9,536 07
Consumers' premises expenses		53,108.38	65,192.23
Street light operation and maintenance		84,903.76	113,047.80
Promotion of business		72,303.51	86,683.02
Billing and collecting		77,351.76	103,560.71
General office, salaries and expenses		154,932.69	230,899.75
Undistributed expense		65,423.64	89,350.91
Interest		528,549.21	662,092.34
Sinking fund and principal payments on debentures		*	*
Total expenses	1,377,168.00	2,041,183.40	2,678,328.34
Surplus	240,506.00	576,256.11	755,327.82
Depreciation charge	124,992.47	262,675.24	357,883.31
Surplus less depreciation	115,513.53	313,580.87	397,444.51

*Debenture payments included in "Interest."

OPERATING REPORT

1915	1916	1917	1918	1919	1920
99	128	143	166	181	186
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
944,271.08	1,172,878.96	1,417,460.31	1,632,272.12	1,991,632.31	2,546,345.30
720,209.26	812,130.78	899,023.72	968,399.42	1,175,143.56	1,512,854.63
1,501,797.78	1,921,152.31	2,665,280.65	3,417,248.37	3,443,107.13	3,752,188.22
.....	.....	.....	.....	.....	532,279.09
835,970.87	930,057.48	967,495.10	902,875.55	988,900.95	1,005,535.11
.....	.....	.....	.....	.....	168,919.95
68,046.29	147,381.50	120,805.39	161,243.70	228,270.65	189,778.63
4,070,295.28	4,983,601.03	6,070,065.17	7,082,039.16	7,827,054.60	9,707,900.93
1,485,614.72	1,959,446.83	2,563,880.17	2,807,769.33	3,284,490.68	4,216,667.87
107,607.31	153,761.08	203,091.20	238,257.34	217,638.89	285,407.35
25,935.56	46,131.53	42,129.04	60,805.92	81,853.63	102,050.81
154,409.71	154,247.17	169,326.24	223,347.81	286,310.76	344,551.57
11,508.92	14,528.17	25,328.95	30,488.83	42,509.12	46,323.09
12,899.14	24,218.48	44,461.55	63,155.56	78,726.64	123,701.18
47,494.26	52,602.01	61,765.14	65,149.59	84,301.24	116,283.52
136,983.38	145,471.50	157,857.73	196,157.18	215,963.86	236,930.79
74,402.55	79,324.85	73,516.37	64,962.78	77,789.22	78,294.85
131,541.27	154,508.58	188,083.84	208,660.76	236,504.75	295,942.88
236,777.86	306,709.35	349,932.05	421,680.15	452,131.22	559,695.29
129,209.15	97,333.97	102,938.80	117,474.07	190,690.09	256,400.33
817,978.89	951,781.99	1,085,180.80	1,238,425.53	1,285,571.51	1,431,807.16
*	*	*	*	*	*
3,371,414.00	4,140,065.51	5,077,491.08	5,736,334.85	6,531,481.61	8,094,056.69
698,881.28	843,535.52	992,574.09	1,345,704.31	1,295,572.99	1,613,844.24
414,506.99	486,141.80	607,296.29	718,162.30	814,219.37	902,028.75
284,374.29	357,393.72	385,367.80	627,542.01	481,353.62	711,815.49

CONSOLIDATED OPERATING REPORT—Continued

Year	1921	1922	1923
Number of municipalities included	205	214	224
Earnings	$ c.	$ c.	$ c.
Domestic light	3,149,080.03	3,786,608.23	5,166,452.24
Commercial light	1,851,501.76	2,158,306.34	3,260,772.50
Commercial power	3,895,437.46	4,383,912.97	5,927,666.37
Municipal power	654,531.01	973,263.38	1,161,598.60
Street light	1,060,357.77	1,160,446.81	1,269,604.48
Rural	145,566.57	105,877.09	116,639.06
Miscellaneous	225,467.70	187,689.39	316,311.21
Total earnings	10,981,942.30	12,756,104.21	17,219,044.46
Expenses			
Power purchased	4,876,650.31	6,636,853.37	8,699,026.67
Substation operation	314,838.35	315,443.70	474,442.13
Substation maintenance	104,798.01	100,763.67	133,815.53
Distribution system operation and maintenance	487,918.33	519,252.16	636,477.41
Line transformer maintenance	65,088.46	52,932.26	75,920.10
Meter maintenance	116,722.97	107,806.88	139,104.81
Consumers' premises expenses	134,854.92	143,388.88	218,682.02
Street light operation and maintenance	297,481.52	297,363.86	299,579.08
Promotion of business	101,804.46	129,932.63	184,371.00
Billing and collecting	321,685.71	338,153.50	444,306.92
General office, salaries and expenses	656,268.11	605,852.50	937,463.47
Undistributed expense	308,874.42	385,895.03	359,206.91
Interest	998,611.47	1,074,657.44	1,615,205.16
Sinking fund and principal payments on debentures	532,183.96	635,469.90	990,907.14
Total expenses	9,317,781.00	11,343,765.78	15,208,508.35
Surplus	1,664,161.30	1,412,338.43	2,010,536.11
Depreciation charge	1,044,434.85	715,814.24	916,782.75
Surplus less depreciation	619,726.45	696,524.19	1,093,753.36

*Debenture payments included in "Interest."

CONSOLIDATED BALANCE SHEET

Year	1913	1914	1915
Number of municipalities included	45	69	99
Assets	$ c.	$ c.	$ c.
Lands and buildings	626,707.34	791,732.20	873,838.18
Substation equipment	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground	644,514.24	807,153.53	928,420.77
Line transformers	615,546.20	787,613.52	981,754.70
Meters	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant	1,401,175.28	420,108.33	461,651.60
Old plant	341,277.00	619,513.12	1,184,372.86
Total plant	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance	450,887.97	422,350.12	284,653.96
Securities and investments	.....	.....	.....
Accounts receivable	344,487.95	561,873.08	602,920.69
Inventories	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures	431,747.27	625,217.03	868,983.78
Equity in Hydro system	.....	.....	.....
Other assets	58,959.93	123,410.97	326,801.11
Total assets	11,907,826.86	15,249,203.36	17,683,264.07
Liabilities			
Debenture balance	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft	160,919.16	228,622.50	292,106.44
Other liabilities	42,412.81	113,838.66	37,388.31
Total liabilities	10,468,351.79	12,702,689.81	14,201,343.79
Reserves			
For depreciation	478,145.88	850,618.07	1,337,739.73
For equity in H.E.P.C. system	.....	.....	.....
Total reserves	478,145.88	850,618.07	1,337,739.73
Surplus			
Debentures paid	202,751.26	320,129.10	394,466.22
Local sinking fund	431,747.27	625,217.03	868,983.78
Additional operating surplus	326,830.66	750,549.35	880,730.55
Total surplus	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets	88	83.3	80.3

CONSOLIDATED

Year	1916	1917	1918
Number of municipalities included	128	143	166
Assets	$ c.	$ c.	$ c.
Lands and buildings	1,335,936.33	1,546,241.41	1,859,888.69
Substation equipment	1,934,626.12	2,471,293.82	2,820,448.70
Distribution system—overhead	4,832,353.27	6,080,073.42	6,627,237.39
Distribution system—underground	1,095,709.62	1,157,059.90	1,216,288.59
Line transformers	1,179,132.07	1,483,839.44	1,772,691.35
Meters	1,711,299.49	1,999,095.48	2,238,143.70
Street lighting equipment—regular	1,251,057.13	1,237,734.69	1,200,625.65
Street lighting equipment—ornamental	306,388.95	361,975.74	531,502.61
Miscellaneous construction expenses	2,059,263.42	2,184,015.84	2,395,096.50
Steam or hydraulic plant	864,500.01	896,753.20	214,575.75
Old plant	759,748.66	649,852.51	1,476,413.00
Total plant	17,330,015.07	20,077,935.45	22,352,951.93
Bank and cash balance	1,061,029.90	340,026.50	391,194.91
Securities and investments	.....	.....	.....
Accounts receivable	695,152.23	1,285,097.33	1,124,018.44
Inventories	764,504.59	1,261,398.36	972,996.96
Sinking fund on local debentures	1,166,017.73	1,337,578.96	1,663,298.05
Equity in Hydro system	.....	.....	.....
Other assets	342,215.87	125,240.05	444,787.63
Total assets	21,358,935.39	24,427,276.65	26,949,247.92
Liabilities			
Debenture balance	15,058,641.57	15,593,773.61	17,209,217.70
Accounts payable	969,187.75	1,537,669.11	1,007,727.79
Bank overdraft	178,413.26	886,177.94	576,816.49
Other liabilities	491,874.90	429,104.20	350,013.21
Total liabilities	16,698,117.48	18,446,724.86	19,143,775.19
Reserves			
For depreciation	1,843,804.68	2,463,723.83	3,133,550.17
For equity in H.E.P.C. system	.....	.....	.....
Total reserves	1,843,804.68	2,463,723.83	3,133,550.17
Surplus			
Debentures paid	549,778.59	694,797.90	920,076.56
Local sinking fund	1,165,785.94	1,340,615.38	1,662,602.69
Additional operating surplus	1,101,448.70	1,481,414.68	2,089,243.31
Total surplus	2,817,013.23	3,516,827.96	4,671,922.56
Total liabilities, reserves and surplus	21,358,935.39	24,427,276.65	26,949,247.92
Percentage of net debt to total assets	78.4	75.5	71.0

BALANCE SHEET—Continued

1919	1920	1921	1922	1923
191	195	215	226	235
$ c.	$ c.	$ c.	$ c.	$ c.
1,995,545.83	2,175,568.24	3,230,985.63	3,334,522.68	4,488,054.93
2,915,125.56	3,231,050.80	5,403,689.90	5,046,857.98	6,015,919.75
7,445,820.31	8,579,881.49	8,397,361.48	11,165,330.24	13,135,581.76
1,206,296.88	1,313,369.29	1,401,135.97	1,598,053.02	1,959,120.41
2,073,113.45	2,560,581.59	3,077,649.83	3,618,684.73	4,211,655.89
2,587,566.32	3,053,135.20	3,552,076.79	4,033,689.52	4,548,933.73
1,206,638.71	1,269,006.98	1,335,997.13	1,419,016.05	1,061,473.85
546,497.68	557,678.13	610,586.70	666,084.50	708,431.22
2,430,101.08	2,697,636.12	3,030,134.16	3,261,495.74	3,681,274.88
986,200.57	757,194.47	704,848.46	565,158.54	566,619.86
805,959.89	864,298.39	912,388.55	7,997,947.87	8,051,496.28
24,298,866.28	27,059,400.70	31,656,854.60	42,706,840.87	48,428,562.56
462,437.23	943,858.12	900,842.34	1,164,336.24	1,276,140.06
627,076.53	341,855.88	556,608.53	443,938.18	1,153,424.47
1,921,166.69	2,022,538.88	2,148,287.05	3,874,317.14	3,198,769.34
1,032,569.75	1,400,671.89	1,504,596.28	1,738,795.96	1,819,711.62
1,925,455.77	2,244,004.34	2,541,718.35	3,416,231.45	3,896,261.28
369,071.89	577,584.06	795,570.51	1,543,434.12	2,929,603.94
86,216.05	25,447.07	78,929.84	238,940.13	190,071.63
30,722,860.19	34,615,360.94	40,111,979.23	55,126,834.09	62,892,544.90
18,133,462.44	19,268,072.04	21,619,220.99	30,454,186.12	33,056,501.29
1,420,926.66	1,840,137.54	1,887,567.93	3,699,292.52	3,708,781.76
403,235.57	514,671.99	989,099.98	456,706.69	680,714.59
670,271.90	642,293.65	938,368.84	586,203.02	1,517,828.47
20,627,896.57	22,265,175.22	25,434,257.74	35,196,388.35	38,963,826.11
3,750,162.28	4,788,645.03	5,491,858.93	6,512,813.92	7,328,858.69
373,871.89	577,584.06	800,249.05	1,543,434.12	2,929,603.94
4,124,034.17	5,366,299.09	6,292,107.98	8,056,248.04	10,258,462.63
1,328,657.68	1,440,157.52	1,860,079.53	3,104,591.15	2,852,038.38
1,754,020.37	2,246,474.47	2,541,718.35	3,416,231.45	3,896,261.28
2,888,251.40	3,297,325.64	3,983,815.63	5,353,375.10	6,921,956.50
5,970,929.45	6,983,956.63	8,385,613.51	11,874,197.70	13,670,256.16
30,722,860.19	34,615,360.94	40,111,979.23	55,126,834.09	62,892,544.90
67.9	65.4	64.7	65.6	64.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM

Municipality Population	Acton 1,742	†Agincourt	Ailsa Craig 547	Alvinston 659	Ancaster Township
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,545.45	.....	.....	126.06	.....
Substation equipment	1,617.63	.....	.....	.....	.....
Distribution system, overhead	12,541.57	5,578.26	7,020.34	13,556.74	16,104.41
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	6,748.95	1,535.28	2,112.18	3,449.78	4,735.64
Meters	5,579.18	1,190.27	1,663.99	2,868.87	6,352.87
Street light equipment, regular	1,094.07	433 93	360 97	1,090.62	705.86
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	1,674.00	Cr. 104.91	492.36	918.68	1,147.70
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	3,481.50	.....	.....	813.85	.....
Total plant	34,282.35	8,632.83	11,649.84	22,824.60	29,046.48
Bank and cash balance	.....	867.56	1,564.00	1,259.07	3,523.79
Securities and investments	1,000.00	.....	2,000.00	.....	.....
Accounts receivable	2,890.33	274.75	83.42	2,200.78	.....
Inventories	1,821.24	.....	.....	18.83	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	4,971.16	49.24	2,200.41	214.38	1,108.19
Other assets	.....	.....	.....	.....	.....
Total assets	44,965.08	9,824.38	17,497.67	26,517.66	33,678.46
Deficit	.....	.....	.....	.....	.....
Total	44,965.08	9,824.38	17,497.67	26,517.66	33,678.46
LIABILITIES					
Debenture balance	5,247.71	7,770.91	3,490.24	22,392.91	16,059.32
Accounts payable	310.36	.....	154.74	.....	2,762.62
Bank overdraft	832.67	.....	.....	.....	.....
Other liabilities	.....	.....	.....	49.64	.....
Total liabilities	6,390.74	7,770.91	3,644.98	22,442.55	18,821.94
RESERVES					
For depreciation	6,484.04	173.00	2,528.33	419.00	3,559.19
For equity in H.E.P.C. systems	4,971.16	49.24	2,200.41	214.38	1,108.19
Total reserves	11,455.20	222.24	4,728.74	633.38	4,667.38
SURPLUS					
Debentures paid	9,252.29	301.74	743.99	1,136.33	940.68
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	17,866.85	1,529.49	8,379.96	2,305.40	9,248.46
Total surplus	27,119.14	1,831.23	9,123.95	3,441.73	10,189.14
Total liabilities, reserves & surplus	44,965.08	9,824.38	17,497.67	26,517.66	33,678.46
Percentage of net debt to total assets	15.9	79.4	23.8	85.3	57.7

* 11 months operation.
† 13 " "

"A"

Hydro Municipalities as at December 31, 1923

Aylmer 2,251	Ayr 817	Baden P. V.	Barton Twp.	Beachville P. V.	*Belle River 580	Blenheim 1,580	Bolton 658
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	125.00	660.64	.....	176.13	.....	.....	.....
.....	.....	.....	.....	.....	.....	909.64	.....
16,265.03	7,277.99	5,494.62	42,639.98	9,238.40	9,518.40	14,922.67	9,532.37
.....	.....	.....	.....	.....	.....	.....	.....
4,535.16	1,855.72	2,020.18	5,962.69	2,328.90	1,948.60	5,769.28	5,816.65
6,858.29	2,252.00	1,780.38	11,513.41	1,948.51	1,265.49	5,977.27	2,725.63
1,193.86	370.47	394.50	212.01	355.87	631.92	1,171.87	561.14
.....	.....	.....	.....	.....	.....	1,492.13	.....
1,051.86	809.79	.....	2,545.60	533.36	725.49	602.17	982.60
.....	.....	.....	.....	.....	.....	.....	.....
14,719.17	4,002.53	.....	15,397.62	.....	.....	.....	1,554.60
44,623.37	16,693.50	10,350.32	78,271.31	14,581.17	14,089.90	30,845.03	21,172.99
954.35	726.06	6,385.82	4,928.76	194.49	9.60	893.52	1,015.45
12,000.00	1,000.00	.....	.....	8,000.00	.....	.....	.....
3,295.51	2,722.16	.....	.....	1,668.10	3,142.24	1,109.69	479.68
.....	107.95	51.80	.....	87.26	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
1,434.14	1,538.35	4,723.22	.....	5,372.48	81.54	3,312.52	3,003.75
.....	.....	.....	.....	.....	.....	.....	.....
62,307.37	22,788.02	21,511.16	83,200.07	29,903.50	17,323.28	36,160.76	25,671.87
.....	.....	.....	.....	.....	.....	.....	2,670.38
62,307.37	22,788.02	21,511.16	83,200.07	29,903.50	17,323.28	36,160.76	28,342.25
30,389.17	6,732.62	3,802.11	44,619.28	4,096.50	8,500.00	12,247.31	10,330.78
60.00	.....	782.86	15,988.81	84.50	1,247.86	.....	7,620.20
.....	.....	.....	10,961.32	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	1,482.97	.....
30,449.17	6,732.62	4,584.97	71,569.41	4,181.00	9,747.86	13,730.28	17,950.98
4,253.38	3,642.00	2,544.20	2,484.00	4,429.50	267.00	5,691.70	5,218.30
1,434.14	1,538.35	4,723.22	.....	5,372.48	81.54	3,312.52	3,003.75
5,687.52	5,180.35	7,267.42	2,484.00	9,801.98	348.54	9,004.22	8,222.05
8,312.75	5,770.76	1,197.89	8,803.38	1,256.50	.....	1,752.69	2,169.22
.....	.....	.....	.....	.....	.....	.....	.....
17,857.93	5,104.29	8,460.88	343.28	14,664.02	7,226.88	11,673.57	.....
26,170.68	10,875.05	9,658.77	9,146.66	15,920.52	7,226.88	13,426.26	2,169.22
62,307.37	22,788.02	21,511.16	83,200.07	29,903.50	17,323.28	36,160.76	28,342.25
50.0	31.6	27.3	86.0	17.0	56.5	41.8	79.1

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Bothwell 613	Brampton 4,407	Brantford 31,362	Brantford Township	Brigden P. V.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	3,854.06	36,140.39	.....	101.03
Substation equipment	.....	9,601.84	108,792.96	1,297.71	.....
Distribution system, overhead	3,944.76	41,415.51	181,329.89	36,615.04	5,518.59
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,299.02	15,420.42	81,700.50	10,705.90	1,108.30
Meters	2,253.54	15,742.08	82,429.82	7,009.68	1,597.69
Street light equipment, regular	341.99	2,170.44	22,057.96	2,224.57	223.35
Street light equip., ornamental	.....	.....	34,014.54	.....	.....
Misc. construction expense	501.90	3,056.51	29,217.30	4,110.17	850.83
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	15,000.00	.....	.....	1,381.00
Total plant	8,341.21	106,260.86	575,683.36	61,963.07	10,780.79
Bank and cash balance	4,417.41	442.34	8,550.68	4,088.76	1,026.59
Securities and investments	2,000.00	30,617.08	.....	1,000.00	.....
Accounts receivable	1,782.65	246.64	9,077.62	1,712.64	834.29
Inventories	.....	44.08	933.48	333.60	.....
Sinking fund on local debentures	.....	.....	80,535.69	745.63	.....
Equity in Hydro systems	3,156.75	17,717.64	50,874.55	.....	838.32
Other assets	1,057.01	.....	.....	.....	.....
Total assets	20,755.03	155,328.64	725,655.38	69,843.70	13,479.99
Deficit	.....	.....	.....	.....	.....
Total	20,755.03	155,328.64	725,655.38	69,843.70	13,479.99
LIABILITIES					
Debenture balance	4,374.03	45,097.70	389,250.00	49,271.96	3,051.49
Accounts payable	.....	870.76	11,772.64	.....	2,000.04
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	1,057.01	.....	41,993.50	1,050.78	.....
Total liabilities	5,431.04	45,968.46	443,016.14	50,322.74	5,051.53
RESERVES					
For depreciation	2,966.86	33,260.97	87,672.57	7,644.99	1,399.00
For equity in H.E.P.C. systems	3,156.75	17,717.64	50,874.55	.....	838.32
Total reserves	6,123.61	50,978.61	138,547.12	7,644.99	2,237.32
SURPLUS					
Debentures paid	1,160.16	23,952.94	15,750.00	7,853.70	4,948.51
Local sinking fund	.....	.....	80,535.69	745.63	.....
Additional operating surplus	8,040.22	34,428.63	47,806.43	3,276.64	1,242.63
Total surplus	9,200.38	58,381.57	144,092.12	11,875.97	6,191.14
Total liabilities, reserves & surplus	20,755.03	155,328.64	725,655.38	69,843.70	13,479.99
Percentage of net debt to total assets	30.8	33.4	65.6	72.0	39.9

"A"—Continued

Hydro Municipalities as at December 31, 1923

Burford P. V.	Burgessville, P. V.	Caledonia 1,335	Chatham 15,084	Chippawa 1,029	Clinton 1,941	Comber P. V.	Dashwood P. V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
202.00	.....	.....	39,378.86	.....	.....	.....	.....
.....	.....	.....	60,380.53	.....	7,544.43	.....	.....
5,586.09	2,191.96	7,926.46	110,787.90	12,893.47	16,859.81	4,847.18	1,863.82
.....	.....	.....	.....	.....	.....	.....	.....
1,598.69	687.19	1,619.38	61,577.80	2,505.32	5,199.73	2,670.63	953.68
2,401.21	628.09	2,457.54	55,003.48	2,287.70	5,992.12	1,604.98	945.55
376.89	156.07	662.35	8,351.91	529.10	938.42	199.55	301.52
.....	.....	.....	26,921.73	.....	.....	.....	.....
644.50	453.00	473.20	28,581.04	794.52	3,553.50	957.54	291.87
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	47,037.51	.....	10,728.09	.....	.....
10,809.38	4,116.31	13,138.93	438,020.76	19,010.11	50,816.10	10,279.88	4,356.44
2,213.96	1,228.62	713.36	50.00	2,947.02	.....	520.00	4.68
.....	.....	1,000.00	.....	.....	.....	.....	.....
1,928.77	295.77	373.97	43,512.21	276.91	2,703.52	1,289.16	99.28
165.18	.....	.....	13,827.33	.....	3,656.18	.....	.....
.....	.....	.....	.....	.....	9,364.72	.....	.....
1,259.59	380.61	1,482.06	23,300.46	645.03	4,296.58	1,758.04	632.61
.....	.....	.....	.....	.....	.....	.....	.....
16,376.88	6,021.31	16,708.32	518,710.76	22,879.07	70,837.10	13,847.08	5,093.01
.....	.....	.....	.....	.....	.....	.....	.....
16,376.88	6,021.31	16,708.32	518,710.76	22,879.07	70,837.10	13,847.08	5,093.01
7,325.71	2,557.47	3,655.53	241,149.26	12,144.81	40,500.00	5,553.37	3,012.08
23.48	194.40	46	41,998.36	1,564.97	.....	59.23	31
.....	.....	.....	21,884.04	.....	900.77	.....	.....
.....	.....	.....	27,027.69	.....	.....	.....	.....
7,349.19	2,751.87	3,655.99	332,059.35	13,709.78	41,400.77	5,612.60	3,012.39
2,120.00	998.30	3,262.76	51,178.20	1,520.66	9,941.18	1,860.42	829.13
1,259.59	380.61	1,482.06	23,300.46	645.03	4,296.58	1,758.04	632.61
3,379.59	1,378.91	4,744.82	74,478.66	2,165.69	14,237.76	3,618.46	1,461.74
1,674.29	942.53	968.47	28,850.74	1,205.19	.....	2,146.63	387.92
.....	.....	.....	.....	.....	9,364.72	.....	.....
3,973.81	948.00	7,339.04	83,322.01	5,798.41	5,833.85	2,469.39	230.96
5,648.10	1,890.53	8,307.51	112,172.75	7,003.60	15,198.57	4,616.02	618.88
16,376.88	6,021.31	16,708.32	518,710.76	22,879.07	70,837.10	13,847.08	5,093.01
48.6	48.7	24.0	67.0	61.6	62.2	46.4	67.5

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Delaware P. V.	Dereham Township	Dorchester P. V.	Drayton 618	Dresden 1,456
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings					
Substation equipment					523.00
Distribution system, overhead	2,403.21	9,485.72	4,886.44	6,277.01	10,535.58
Distribution system, underground					
Line transformers	216.75	11,962.25	2,525.25	1,805.63	4,980.38
Meters	623.85	3,381.03	1,823.91	2,045.32	4,538.52
Street light equipment, regular	106.93		245.41	569.63	880.52
Street light equip., ornamental					
Misc. construction expense	203.81	494.46	328.41	388.37	408.09
Steam or hydraulic plant					
Old plant					4,815.01
Total plant	3,554.55	25,323.46	9,809.42	11,085.96	26,681.10
Bank and cash balance	278.17	1,582.48	2,920.86	504.46	404.94
Securities and investments				4,000.00	5,000.00
Accounts receivable	2,669.80	598.84	236.26	261.21	924.45
Inventories			28.31	97.68	764.43
Sinking fund on local debentures					
Equity in Hydro systems	327.48	3,795.31	517.94	377.56	2,677.13
Other assets					
Total assets	6,830.00	31,300.09	13,512.79	16,326.87	36,452.05
Deficit		5,571.21			
Total	6,830.00	36,871.30	13,512.79	16,326.87	36,452.05
LIABILITIES					
Debenture balance	3,336.01	19,260.24	3,682.01	8,661.80	10,224.99
Accounts payable	394.85	5,812.70	102.31		
Bank overdraft					
Other liabilities	35.77				
Total liabilities	3,766.63	25,072.94	3,784.32	8,661.80	10,224.99
RESERVES					
For depreciation	812.91	6,559.91	1,895.70	1,787.40	4,330.05
For equity in H.E.P.C. systems	327.48	3,795.31	517.94	377.56	2,677.13
Total reserves	1,140.39	10,355.22	2,413.64	2,164.96	7,007.18
SURPLUS					
Debentures paid	663.99	1,443.14	617.99	838.20	6,013.26
Local sinking fund					
Additional operating surplus	1,258.99		6,696.84	4,661.91	13,206.62
Total surplus	1,922.98	1,443.14	7,314.83	5,500.11	19,219.88
Total liabilities, reserves & surplus	6,830.00	36,871.30	13,512.79	16,326.87	36,452.05
Percentage of net debt to total assets	57.9	91.1	29.1	54.3	30.2

"A"—Continued

Hydro Municipalities as at December 31, 1923

Drumbo P. V.	Dublin P. V.	Dundas 5,100	Dunnville 3,583	Dutton 845	Elmira 2,370	Elora 1,091	Embro 463
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	85.00	8,519.52	3,379.78	.....	4,101.08	1,438.42	.....
.....	.....	10,828.92	16,916.68	.....	.....	.....	.....
3,061.54	4,134.25	47,341.28	26,845.69	7,154.06	18,876.20	12,210.30	6,080.35
.....	.....	.....	.....	.....	.....	.....	.....
860.02	660.75	14,610.86	10,366.16	2,039.78	9,164.96	5,248.21	1,738.56
995.24	563.81	16,497.27	7,453.67	2,892.98	7,733.76	3,659.73	1,287.39
201.80	426.53	1,736.00	2,320.25	516.26	1,081.56	501.34	223.37
.....	.....	.....	4,767.47	.....	.....	.....	.....
239.58	787.06	6,813.37	4,988.29	288.17	2,421.23	926.18	69.45
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1,867.38	10,717.62	.....	2,325.08	1,425.47	429 25
5,358.18	6,657.40	108,214.60	87,755.61	12,891.25	45,703.87	25,409.65	9,828.37
429.05	301.30	9,247.99	.....	461.33	503.07	2,375.57	590.66
600.00	.....	.....	.....	1,500.00	.....	.....	1,000.00
806.95	.....	2,970.23	2,939.13	3,401.24	3,447.77	1,508.12	.....
.....	.....	2,100.01	841.21	106.01	1,745.37	915.10	26.65
.....	.....	.....	.....	.....	.....	.....	.....
587.48	217.59	15,607.75	2,124.36	1,853.99	6,341.52	4,662.40	1,726.86
.....	.....	.....	.....	.....	.....	.....	.....
7,781.66	7,176.29	138,140.58	93,660.31	20,213.82	57,741.60	34,870.84	13,172.54
.....	1,452.18	.....	.....	.....	.....	.....	.....
7,781.66	8,628.47	138,140.58	93,660.31	20,213.82	57,741.60	34,870.84	13,172.54
3,753.13	4,850.43	42,548.69	59,181.15	7,415.50	16,665.54	9,630.57	6,608.08
40.47	1,031.88	3,265.93	3,914.47	13.25	.....	.....	1,112.67
.....	.....	.....	1,234.73	.....	.....	.....	.....
.....	.....	.....	.....	.....	141.00	.....	.....
3,793.60	5,882.31	45,814.62	64,330.35	7,428.75	16,806.54	9,630.57	7,720.75
1,304.00	1,179.00	27,645.86	10,491.56	3,212.00	8,425.33	6,243.80	2,799.39
587.48	217.59	15,607.75	2,124.36	1,853.99	6,341.52	4,662.40	1,726.86
1,891.48	1,396.59	43,253.61	12,615.92	5,065.99	14,766.85	10,906.20	4,526.25
746.87	1,349.57	10,451.31	6,318.85	991.99	3,334.46	3,369.43	891.91
.....	.....	.....	.....	.....	.....	.....	.....
1,349.71	.....	38,621.04	10,395.19	6,727.09	22,833.75	10,964.64	33.63
2,096.58	1,349.57	49,072.35	16,714.04	7,719.08	26,168.21	14,334.07	925.54
7,781.66	8,628.47	138,140.58	93,660.31	20,213.82	57,741.60	34,870.84	13,172.54
52.7	84.5	37.4	70.2	36.7	32.7	31.9	67.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Etobicoke Twp.	Exeter 1,507	Fergus 1,762	Ford City 5,113	Forest 1,422
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	2,683.93	.....	.....	5,228.77
Substation equipment	.....	.....	.....	.....	.....
Distribution system, overhead	92,873.68	14,736.87	17,192.14	50,631.50	13,843.89
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	24,399.37	4,447.73	7,719.39	19,258.23	4,081.43
Meters	32,631.52	4,965.55	6,936.21	19,618.51	6,610.33
Street light equipment, regular	6,400.29	868.56	1,249.57	.....	2,000.02
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	2,994.33	1,575.28	516.30	1,662.28	392.70
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	.....	2,546.59	.....	11,084.87
Total plant	159,299.19	29,277.92	36,160.20	91,170.52	43,242.01
Bank and cash balance	12,391.12	1,783.00	1,887.45	.....	405.17
Securities and investments	.....	.....	1,500.00	.....	4,000.00
Accounts receivable	9,631.22	4,088.58	2,556.82	15,329.50	2,297.05
Inventories	420.59	2,288.43	635.10	.....	3,936.60
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	11,865.59	4,901.71	3,886.13	4,889.79	1,471.92
Other assets	177.52	.....	.....	.....	.....
Total assets	193,785.23	42,339.64	46,625.70	111,389.81	55,352.75
Deficit	.....	.....	.....	.....	.....
Total	193,785.23	42,339.64	46,625.70	111,389.81	55,352.75
LIABILITIES					
Debenture balance	107,168.88	15,998.48	27,513.62	87,287.37	22.653.98
Accounts payable	263.64	79.68	158.79	4,776.66	527.20
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	1,941.05	.....	.....	.....	.....
Total liabilities	109,373.57	16,078.16	27,672.41	92,064.03	23,181.18
RESERVES					
For depreciation	26,936.86	4,995.40	6,541.85	4,596.17	5,173.97
For equity in H.E.P.C. systems	11,865.59	4,901.71	3,886.13	4,889.79	1,471.92
Total reserves	38,802.45	9,897.11	10,427.98	9,485.96	6,645.89
SURPLUS					
Debentures paid	8,831.12	4,001.57	2,486.38	1,712.63	11,746.02
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	36,778.09	12,362.80	6,038.93	8,127.19	13,779.66
Total surplus	45,609.21	16,364.37	8,525.31	9,839.82	25,525.68
Total liabilities, reserves & surplus	193,785.23	42,339.64	46,625.70	111,389.81	55,352.75
Percentage of net debt to total assets	60.1	42.9	64.7	86.4	43.0

"A"—Continued

Hydro Municipalities as at December 31, 1923

Galt 13,332	George-town 2,098	Glencoe 835	Goderich 4,108	Grantham Twp.	Granton P. V.	Guelph 18,027	Hagersville 1,271
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
192,684.51	12.00	.....	12,957.48	.....	.....	12,004.40	.....
152,616.82	.....	.....	9,795.28	.....	.....	86,839.69	864.37
191,252.47	21,866.32	15,201.34	44,709.63	10,178.44	3,317.45	115,093.42	13,125.24
.....	.....	.....	.....	.....	.....	.....	.....
43,354.98	12,683.81	2,992.88	14,003.96	5,947.18	775.97	57,879.90	3,264.61
53,846.19	8,269.60	3,052.89	11,954.42	2,451.66	933.70	53,891.21	4,999.66
10,748.10	1,108.60	1,647.22	4,244.76	.....	149.27	31,226.21	659.82
60,041.09	.....	.....	.....	.....	.....	.....	.....
25,982.32	1,509.08	3,205.05	4,116.13	267.30	113.08	14,730.88	140.20
.....	.....	.....	.....	.....	.....	.....	.....
.....	2,209.80	Cr. 330.71	14,622.15	.....	.....	.....	.....
730,526.48	47,659.21	25,768.67	116,403.81	18,844.58	5,289.47	371,665.71	23,053.90
175.00	2,244.51	1,219.62	4,194.36	.....	2,852.78	.....	3,089.83
.....	11,819.24	.....	.....	.....	.....	25,000.00	2,000.00
42,511.61	3,693.82	1,956.85	11,346.88	4,404.34	111.37	28,226.30	979.11
18,651.19	1,452.57	.....	798.88	.....	.....	33,465.71	98.43
86,335.19	.....	1,716.72	5,117.95	2,605.71	.....	23,006.02	.....
56,149.36	11,944.66	481.99	13,206.15	5,148.07	772.17	61,055.71	6,384.72
.....	.....	.....	.....	.....	.....	.....	.....
934,348.83	78,814.01	31,143.85	151,068.03	31,002.70	9,025.79	542,419.45	35,605.99
.....	.....	.....	.....	.....	.....	.....	.....
934,348.83	78,814.01	31,143.85	151,068.03	31,002.70	9,025.79	542,419.45	35,605.99
506,681.69	16,665.53	18,477.45	37,553.45	10,564.11	3,061.82	90,147.59	6,197.15
17,845.46	.....	16.90	21,781.03	6,762.28	653.01	17,158.53	.....
81,641.07	.....	.....	.....	1,019.46	.....	34,247.35	.....
1,500.00	.....	.....	.....	.....	.....	1,509.91	.....
607,668.22	16,665.53	18,494.35	59,334.48	18,345.85	3,714.83	143,063.38	6,197.15
56,149.36	14,887.25	1,673.82	30,805.11	3,642.11	1,073.05	68,715.97	777.44
88,870.43	11,944.66	481.99	13,206.15	5,148.07	772.17	61,055.71	6,384.72
145,019.79	26,831.91	2,155.81	44,011.26	8,790.18	1,845.22	129,771.68	7,162.16
11,320.26	3,334.47	1,635.43	18,534.60	435.89	438.18	54,852.40	1,802.85
86,335.19	.....	1,716.72	5,117.95	2,605.71	.....	23,006.02	.....
84,005.37	31,982.10	7,141.54	24,069.74	825.07	3,027.56	191,725.97	20,443.83
181,660.82	35,316.57	10,493.69	47,722.29	3,866.67	3,465.74	269,584.39	22,246.68
934,348.83	78,814.01	31,143.85	151,068.03	31,002.70	9,025.79	542,419.45	35,605.99
69.2	21.1	60.3	43.0	70.9	45.0	29.7	21.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Hamilton	Harriston	Hensall	Hespeler	Highgate
Population	118,243	1,311	738	2,853	417
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	565,042.53			3,521.37	
Substation equipment	154,690.56	600.00		12,957.25	
Distribution system, overhead	528,418.80	10,548.11	6,982.32	22,858.12	3,897.96
Distribution system, underground	285,807.90				
Line transformers	292,434.07	4,164.83	2,450.22	10,778.71	1,488.37
Meters	311,433.34	3,972.34	2,500.13	9,262.64	1,268.57
Street light equipment, regular	103,845.35	350.00	436.67	1,645.72	294.56
Street light equip., ornamental					
Misc. construction expense	146,996.99	644.74	447.50	446.33	496.84
Steam or hydraulic plant					
Old plant	2,000.00	1,130.83	400.00	2,129.87	
Total plant	2,390,669.54	21,410.85	13,216.84	63,600.01	7,446.30
Bank and cash balance	52,095.12	2,250.67	2,639.48	1,176.11	2,668.78
Securities and investments					
Accounts receivable	252,205.53	754.01	718.99	1,923.75	499.46
Inventories	98,308.13	300.00			50 00
Sinking fund on local debentures	264,353.24				
Equity in Hydro systems	227,823.38	2,897.78	1,673.26	7,867.85	993.24
Other assets	1,589.03				
Total assets	3,287,043.97	27,613.31	18,248.57	74,567.72	11,657.78
Deficit					
Total	3,287,043.97	27,613.31	18,248.57	74,567.72	11,657.78
LIABILITIES					
Debenture balance	1,711,972.66	13,806.64	10,620.34	27,015.56	4,387.25
Accounts payable	420,576.12	117.76	1,180.84	4,534.00	
Bank overdraft					
Other liabilities	76,238.71			412.50	
Total liabilities	2,208,787.49	13,924.40	11,801.18	31,962.06	4,387.25
RESERVES					
For depreciation	398,615.35	3,893.40	2,890.45	3,902.50	1,419.00
For equity in H.E.P.C. systems	227,823.38	2,897.78	1,673.26	7,867.85	993.24
Total reserves	626,438.73	6,791.18	4,563.71	11,770.35	2,412.24
SURPLUS					
Debentures paid	58,027.34	4,511:39	1,379.66	20,554.95	612.75
Local sinking fund	264,353.24				
Additional operating surplus	129,437.17	2,386.34	504.02	10,280.36	4,245.54
Total surplus	451,817.75	6,897.73	1,883.68	30,835.31	4,858.29
Total liabilities, reserves & surplus	3,287,043.97	27,613.31	18,248.57	74,567.72	11,657.78
Percentage of net debt to total assets	72.2	56.3	71.1	47.9	41.1

"A"—Continued

Hydro Municipalities as at December 31, 1923

Ingersoll 5,253	Kitchener 22,717	Lambeth P. V.	Listowel 2,429	London 59,784	London Twp.	Louth Twp.	Lucan 624
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
11,117.21	48,001.87	.....	1,283.96	325,952.69	.....	.....	.....
10,302.31	130,503.49	.....	.....	428,384.64	.....	.....	.....
42,110.69	170,727.10	5,021.51	27,611.68	664,639.35	3,151.76	1,976.16	7,482.41
.....	28,719.93	.....	.....	82,439.52	.....	.....	.....
17,061.09	101,204.13	657.71	12,527.28	118,565.73	1,114.40	2,476.55	3,143.13
19,493.61	108,055.10	1,515.55	11,232.27	235,043.09	1,066.80	627.45	2,506.29
2,762.09	29,203.42	167.40	1,238.10	37,804.59	.....	.....	372.54
4,597.59	.....	.....	5,772.22	12,830.65	.....	.....	.....
9,433.40	13,321.09	300.71	1,571.16	76,180.09	429.31	Cr. 126.84	445.77
.....	.....	.....	.....	.....	.....	.....	.....
20,250.88	52,398.91	.....	4,745.30	.....	3,733.80	.....	2,860.45
137,128.87	682,135.04	7,662.88	65,981.97	1,981,840.35	9,496.07	4,953.32	16,810.59
3,297.14	1,649.06	110.32	2,277.52	1,546.67	3,500.17	117.23	2,755.48
19,335.26	22,000.00	.....	.....	.....	.....	.....	7,000.00
11,238.04	37,552.51	1,218.53	3,012.73	214,451.55	2,153.88	365.70	59.97
2,158.57	21,265.22	.....	.....	69,906.17	.....	.....	43.97
28,599.56	.....	.....	.....	176,922.67	.....	.....	.....
19,838.70	108,721.96	694.34	4,801.42	219,000.77	.....	340.84	2,535.96
.....	.....	79.10	.....	175,000.00	.....	.....	.....
221,596.14	873,323.79	9,765.17	76,073.64	2,838,668.18	15,150.12	5,777.09	9,205.97
.....	.....	.....	.....	.....	.....	285.84	.....
221,596.14	873,323.79	9,765.17	76,073.64	2,838,668.18	15,150.12	6,062.93	29,205.97
79,800.00	254,003.55	3,499.24	29,479.25	1,204,175.38	12,608.10	1,738.84	8,370.00
7,659.42	47,741.31	111.00	1,694.29	231,983.12	.....	3,332.93	330.56
.....	12,744.83	.....	.....	101,764.44	.....	.....	.....
4,597.59	48,066.95	.....	5,742.30	22,992.79	.....	.....	.....
92,057.01	362,556.64	3,610.24	36,915.84	1,560,915.73	12,608.10	5,071.77	8,700.56
21,202.08	129,978.52	1,388.44	9,286.95	389,456.55	1,500.00	439.16	3,495.53
19,838.70	108,721.96	694.34	4,801.42	219,000.77	.....	340.84	2,535.96
41,040.78	238,700.48	2,082.78	14,088.37	608,457.32	1,500.00	780.00	6,031.49
.....	126,146.45	500.76	13,710.64	92,724.62	891.90	211.16	2,843.62
28,599.56	.....	.....	.....	176,922.67	.....	.....	.....
59,898.79	145,920.22	3,571.39	11,358.79	399,647.84	150.12	.....	11,630.30
88,498.35	272,066.67	4,072.15	25,069.43	669,295.13	1,042.02	211.16	14,473.92
221,596.14	873,323.79	9,765.17	76,073.64	2,838,668.18	15,150.12	6,062.93	29,205.97
45.6	47.4	38.9	51.8	59.5	83.2	93.2	32.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Lynden P. V.	Markham 970	*Merlin P. V.	Merritton 2,589	Milton 1,900
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	241.18	.....	.....	350.00	.....
Substation equipment	.....	.....	.....	3,889.63	5,550.19
Distribution system, overhead	2,777.52	9,259.72	7,599.07	12,919.75	14,007.31
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,094.69	3,869.76	2,145.28	3,076.42	7,386.15
Meters	942.81	3,037.80	1,530.02	6,880.65	7,207.11
Street light equipment, regular	163.30	467.33	464.14	1,407.25	986.67
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	193.57	1,113.39	459.12	2,076.47	2,514.23
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	11.03	275.00	.....	4,065.85
Total plant	5,413.07	17,759.03	12,472.63	30,600.17	41,717.51
Bank and cash balance	1,313.61	1,787.04	1,412.26	2,932.87	8,071.15
Securities and investments	.....	1,000.00	.....	.....	5,000.00
Accounts receivable	610.85	447.12	1,619.31	178.01	5,717.22
Inventories	.....	.....	.....	116.75	1,135.30
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	2,138.12	484.84	176.99	1,733.57	12,244.95
Other assets	.....	.....	.....	.....	584.55
Total assets	9,475.65	21,478.03	15,681.19	35,561.37	74,470.68
Deficit	.....	.....	.....	.....	.....
Total	9,475.65	21,478.03	15,681.19	35,561.37	74,470.68
LIABILITIES					
Debenture balance	3,892.05	9,222.22	8,273.80	3,474.06	11,385.12
Accounts payable	.....	460.24	4,444.57	703.66	15,857.59
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	.....	.....	.....	.....
Total liabilities	3,892.05	9,682.46	12,718.37	4,177.72	27,242.71
RESERVES					
For depreciation	1,411.00	1,443.25	.....	2,127.00	10,349.24
For equity in H.E.P.C. systems	2,138.12	484.84	176.99	1,733.57	12,244.95
Total reserves	3,549.12	1,928.09	176.99	3,860.57	22,594.19
SURPLUS					
Debentures paid	602.95	2,336.61	231.20	1,712.15	13,327.86
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	1,431.53	7,530.87	2,554.63	25,810.93	11,305.92
Total surplus	2,034.48	9,867.48	2,785.83	27,523.08	24,633.78
Total liabilities, reserves & surplus	9,475.65	21,478.03	15,681.19	35,561.37	74,470.68
Percentage of net debt to total assets	53.0	46.1	82.0	11.7	43.7

*Eleven months' operation.

"A"—Continued

Hydro Municipalities as at December 31, 1923

Milverton 1,054	Mimico 4,187	Mitchell 1,699	Moorefield P. V.	Mount Brydges P. V.	Newbury 301	New Hamburg 1,401	New Toronto 2,947
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
237.20	10,195.15	10,594.81	.....	.....	.....	2,317.59	395.00
.....	2,509.15	11,493.01	.....	.....	.....	1,083.10	.....
8,304.40	41,292.87	17,314.52	2,630.04	3,337.60	5,837.25	13,333.58	41,736.38
.....	.....	.....	.....	.....	.....	.....	.....
5,800.97	15,492.03	6,806.00	857.72	984.37	1,036.62	5,190.15	11,614.18
3,184.81	16,526.61	7,518.80	618.25	1,417.27	696.90	5,424.45	12,996.07
562.24	2,846.74	2,133.42	295.88	120.09	765.45	1,303.76	3,447.80
.....	.....	.....	.....	.....	.....	.....	.....
557.93	2,502.99	410.13	348.35	143.82	485.13	1,017.60	2,220.33
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1,500.00	.....	.....	348.22	5,242.56	.....
18,647.55	91,365.54	57,770.69	4,750.24	6,003.15	9,169.57	34,912.79	72,409.76
75.62	8,212.24	2,269.64	939.94	2,183.19	120.84	905.95	2,220.49
.....	.....	2,000.00	.....	.....	.....	.....	.....
.....	1,257.97	1,062.37	45.92	1,434.41	1,459.69	5,272.55	10,694.81
5,230.42	226.75	620.36	.....	34.41	.....	1,306.68	997.40
.....	.....	.....	.....	.....	.....	.....	.....
3,698.49	7,113.31	5,926.69	221.45	895.18	147.21	6,427.16	32,688.92
.....	.....	.....	.....	.....	.....	.....	.....
27,652.08	108,175.81	69,649.75	5,957.55	10,550.34	10,897.31	48,825.13	119,011.38
.....	.....	.....	.....	.....	.....	.....	.....
27,652.08	108,175.81	69,649.75	5,957.55	10,550.34	10,897.31	48,825.13	119,011.38
6,850.83	38,170.34	5,125.97	3,629.03	3,564.10	8,400.00	13,201.13	6,485.55
3,633.37	27,330.22	496.23	.....	.....	.....	.....	32.26
.....	.....	.....	.....	.....	.....	.....	2,392.16
.....	295.00	.....	.....	.....	.....	.....	638.30
10,484.20	65,795.56	5,622.20	3,629.03	3,564.10	8,400.00	13,201.13	9,548.27
2,800.21	15,984.30	15,244.55	612.90	1,460.00	338.00	10,337.00	12,173.02
3,698.49	7,113.31	5,926.69	221.45	895.18	147.21	6,427.16	32,688.92
6,498.70	23,097.61	21,171.24	834.35	2,355.18	485.21	16,764.16	44,861.94
2,649.17	7,829.66	17,169.25	870.97	655.90	1,354.39	4,527.95	1,514.45
.....	.....	.....	.....	.....	.....	.....	.....
8,020.01	11,452.98	25,687.06	623.20	3,975.16	657.71	14,331.89	63,086.72
10,669.18	19,282.64	42,856.31	1,494.17	4,631.06	2,012.10	18,859.84	64,601.17
27,652.08	108,175.81	69,649.75	5,957.55	10,550.34	10,897.31	48,825.13	119,011.38
43.7	65.1	8.8	63.2	36.9	78.1	27.1	11.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Niagara Falls 15,895	Niagara on-the-lake 1,714	Norwich 1,307	N. Norwich Twp.	S. Norwich Twp.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	116,937.80	200.00	922.30	.....	.....
Substation equipment	91,083.27	1,148.47	.....	.....	.....
Distribution system, overhead	121,978.37	14,724.17	8,335.80	1,111.96	1,989.03
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	87,107.23	3,164.31	4,153.74	3,627.17	2,411.09
Meters	73,757.73	3,965.36	5,415.01	1,018.34	479.00
Street light equipment, regular	18,339.50	698.30	1,096.10	.....	.....
Street light equip., ornamental	49,325.27	.....	2,775.99	.....	.....
Misc. construction expense	6,595.54	1,247.80	1,224.84	180.17	339.84
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	12,812.30	.....	3,509.82	.....	.....
Total plant	577,937.01	25,148.41	27,433.60	5,937.64	5,218.96
Bank and cash balance	600.00	462.86	2,285.12	88.36	.....
Securities and investments	.....	.....	6,000.00	.....	.....
Accounts receivable	49,316.54	625.11	5,176.01	.....	.....
Inventories	2,384.67	75.54	218.12	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	30,403.30	1,319.26	5,666.64	.....	.....
Other assets	5,784.79	.....	.....	.....	.....
Total assets	666,426.31	27,631.18	46,779.49	6,026.00	5,218.96
Deficit	.....	.....	.....	.....	.....
Total	666,426.31	27,631.18	46,779.49	6,026.00	5,218.96
LIABILITIES					
Debenture balance	309,068.66	6,600.77	10,608.60	4,897.26	4,140.84
Accounts payable	21,109.19	461.50	.....	.....	.....
Bank overdraft	66,158.63	.....	.....	.....	.....
Other liabilities	6,284.79	.....	.....	.....	.....
Total liabilities	402,621.27	7,062.27	10,608.60	4,897.26	4,140.84
RESERVES					
For depreciation	41,874.76	1,853.28	9,908.43	.....	.....
For equity in H.E.P.C. systems	30,403.30	1,319.26	5,666.64	.....	.....
Total reserves	72,278.06	3,172.54	15,575.07	.....	.....
SURPLUS					
Debentures paid	121,174.34	4,235.88	3,147.40	1,128.74	1,078.12
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	70,352.64	13,160.49	17,448.42	.....	.....
Total surplus	191,526.98	17,396.37	20,595.82	1,128.74	1,078.12
Total liabilities, reserves & surplus	666,426.31	27,631.18	46,779.49	6,026.00	5,218.96
Percentage of net debt to total assets	63.3	26.8	25.8	81.2	79.3

"A"—Continued

Hydro Municipalities as at December 31, 1923

Oil Springs 491	Otterville P. V.	Palmerston 1,780	Paris 4,400	Parkhill 1,201	Petrolia 2,911	Plattsville P. V.	Point Edward 1,150
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	7,626.26	.....	900.00	.....	.....
.....	.....	691.88	21,830.64	.....	2,403.55	.....	.....
10,987.44	3,749.22	16,494.62	44,293.33	13,134.92	.....	2,969.09	8,255.42
.....	.....	.....	.....	.....	26,885.86	.....	.....
5,000.87	1,774.43	4,612.59	14,551.70	2,265.84	20,430.78	906.14	4,535.63
2,743.75	1,239.93	4,522.15	14,753.85	2,929.18	11,075.29	1,305.84	2,833.64
305.72	341.80	918.84	2,705.03	823.68	985.28	133.65	652.11
.....	.....	.....	9,447.15	.....	3,864.07	.....	.....
1,777.41	142.00	1,986.18	144.60	1,299.57	4,961.59	535.92	366.39
.....	.....	.....	.....	.....	.....	.....	.....
1,042.00	.....	4,018.71	16,684.76	.....	3,389.94	.....	.....
21,857.19	7,247.38	33,244.97	132,037.32	20,453.19	74,896.36	5,850.64	16,643.19
2,036.06	1,762.46	1,322.53	3,024.21	3,368.12	.....	.....	.....
.....	2,000.00	.....	.....	.....	4,000.00	.....	.....
5,456.83	295.59	9,389.65	2,749.93	920.03	3,946.06	252.07	6,389.96
421.40	107.03	5,618.89	149.86	.....	10,058.93	.....	.....
.....	.....	.....	25,186.87	.....	.....	.....	.....
1,444.35	473.61	2,595.26	8,945.52	416.70	7,665.46	2,195.23	1,471.53
.....	.....	.....	.....	.....	.....	.....	.....
31,215.83	11,886.07	52,171.30	172,093.71	25,158.04	100,566.81	8,297.94	24,504.68
.....	.....	.....	.....	.....	.....	2,203.88	.....
31,215.83	11,886.07	52,171.30	172,093.71	25,158.04	100,566.81	10,501.82	24,504.68
13,747.08	3,289.24	11,536.33	55,645.12	13,118.97	41,879.81	4,367.83	5,116.72
3,482.35	.....	535.21	.....	.....	.....	1,320.27	8,872.83
.....	.....	.....	.....	.....	1,177.28	24	.....
.....	.....	.....	.....	.....	.....	.....	.....
17,229.43	3,289.24	12,071.54	55,645.12	13,118.97	43,057.09	5,688.34	13,989.55
2,257.31	1,463.60	5,466.12	29,822.00	1,475.00	11,844.06	1,749.08	3,281.00
1,444.35	473.61	2,595.26	8,945.52	416.70	7,665.46	2,195.23	1,471.53
3,701.66	1,937.21	8,061.38	38,767.52	1,891.70	19,509.52	3,944.31	4,752.53
2,974.23	1,210.76	15,463.67	36,354.88	1,511.05	8,120.19	869.17	1,883.28
.....	.....	.....	25,186.87	.....	.....	.....	.....
7,310.51	5,448.86	16,574.71	16,139.32	8,636.32	29,880.01	.....	3,879.32
10,284.74	6,659.62	32,038.38	77,681.07	10,147.37	38,000.20	869.17	5,762.60
31,215.83	11,886.07	52,171.30	172,093.71	25,158.04	100,566.81	10,501.82	24,504.68
57.8	28.8	24.3	32.3	53.0	46.3	93.2	60.7

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality Population	Port Colborne 3,123	Port Credit 1,119	Port Dalhousie 1,424	Port Dover 1,380	Port Stanley 717
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	675.00	.....	.....	1,505.38
Substation equipment	.....	.....	.....	.....	.....
Distribution system, overhead	38,587.94	13,432.97	10,811.97	20,183.83	15,156.59
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	10,570.07	3,696.60	4,521.05	4,725.86	5,652.30
Meters	10,844.46	4,570.20	6,125.17	2,729.16	3,081.21
Street light equipment, regular	1,331.65	544.72	627.45	1,449.22	903.93
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	5,136.19	626.31	1,574.96	2,270.77	5,606.55
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	9,929.60	.....	6,018.38	.....	577.51
Total plant	76,399.91	23,545.80	29,678.98	31,358.84	32,483.47
Bank and cash balance	197.46	.....	428.20	.....	4,375.15
Securities and investments	.....	2,600.00	.....	.....	.....
Accounts receivable	1,055.09	555.11	1,033.04	6.08	1,254.27
Inventories	7,814.49	.....	.....	.....	.....
Sinking fund on local debentures	.....	.....	335.96	.....	.....
Equity in Hydro systems	3,698.74	2,060.53	2,004.69	351.67	5,857.05
Other assets	.....	.....	.....	.....	.....
Total assets	89,165.69	28,761.44	33,480.87	31,716.59	43,969.94
Deficit	.....	.....	.....	.....	.....
Total	89,165.69	28,761.44	33,480.87	31,716.59	43,969.94
LIABILITIES					
Debenture balance	60,346.69	5,702.94	18,754.22	19,182.58	14,065.07
Accounts payable	6,078.38	1,759.76	2,141.85	6,415.57	.....
Bank overdraft	1,552.45	41.42	.....	50.39	.....
Other liabilities	165.00	.....	.....	.....	.....
Total liabilities	68,142.52	7,504.12	20,896.07	25,648.54	14,065.07
RESERVES					
For depreciation	4,253.00	5,247.11	1,646.46	1,174.00	8,850.25
For equity in H.E.P.C. systems	3,698.74	2,060.53	2,004.69	351.67	5,857.05
Total reserves	7,951.74	7,307.64	3,651.15	1,525.67	14,707.30
SURPLUS					
Debentures paid	5,653.31	2,797.06	3,745.78	1,817.42	4,884.93
Local sinking fund	.....	.....	335.96	.....	.....
Additional operating surplus	7,418.12	11,152.62	4,851.91	2,724.96	10,312.64
Total surplus	13,071.43	13,949.68	8,933.65	4,542.38	15,197.57
Total liabilities, reserves & surplus	89,165.69	28,761.44	33,480.87	31,716.59	43,969.94
Percentage of net debt to total assets	79.7	28.1	66.4	81.7	36.9

"A"—Continued

Hydro Municipalities as at December 31, 1923

Preston 5,547	Princeton P. V.	Queenston P. V.	Ridgetown 2,267	Riverside 3,000	Rockwood P. V.	Rodney 756	St. Catharines 20,961
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	.....	.....	79.00	.....	36,766.77
34,866.44	.....	.....	1,024.24	.....	.....	.....	70,155.98
61,014.72	2,665.19	6,313.31	12,607.95	29,808.89	5,804.75	6,473.15	152,861.51
.....	.....	.....	.....	.....	.....	.....	.....
33,937.52	630.92	1,076.50	6,006.60	8,876.82	1,211.93	1,494.68	68,780.99
26,309.18	667.64	1,090.47	5,957.86	7,563.30	1,696.91	2,546.33	54,776.03
3,798.64	116.30	395.59	896.88	.....	440.98	546.92	14,111.17
3,560.33	.....	.....	1,319.10	.....	.....	.....	24,521.46
6,066.06	64.35	1,948.71	661.80	2,942.87	308.05	695.00	37,141.20
.....	.....	.....	.....	.....	.....	.....	.....
23,549.22	.....	.....	5,088.46	.....	.....	700.00	.....
193,102.11	4,144.40	10,824.58	33,562.89	49,191.88	9,541.62	12,456.08	459,115.11
.....	87.84	738.76	4,059.08	.....	62.34	340.48	484.40
.....	.....	.....	13,500.00	.....	.....	5,000.00	.....
6,912.57	346.43	33.09	2,075.43	3,715.49	458.98	1,011.62	15,627.79
.....	.....	110.50	3,135.85	.....	182.70	.....	765.78
.....	.....	.....	.....	.....	.....	.....	28,920.15
28,439.67	827.20	226.71	3,700.48	1,081.65	1,570.55	715.42	27,373.88
.....	.....	.....	.....	.....	.....	.....	.....
228,454.35	5,405.87	11,933.64	60,033.73	53,989.02	11,816.19	19,523.60	532,287.11
.....	329.85	.....	.....	.....	.....	.....	.....
228,454.35	5,735.72	11,933.64	60,033.73	53,989.02	11,816.19	19,523.60	532,287.11
51,086.28	2,960.81	7,551.99	12,762.00	40,930.77	.....	7,529.97	206,400.52
.....	389.24	2,095.55	46.25	4,300.56	25.90	327.50	27,044.56
44,901.18	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	1,319.10	.....	.....	.....	24,521.46
95,987.46	3,350.05	9,647.54	14,127.35	45,231.33	25.90	7,857.47	257,966.54
41,691.14	969.28	345.00	6,001.82	2,033.69	2,862.30	1,812.99	74,760.59
28,439.67	827.20	226.71	3,700.48	1,081.65	1,570.55	715.42	27,373.88
70,130.81	1,796.48	571.71	9,702.30	3,115.34	4,432.85	2,528.41	102,134.47
41,654.09	589.19	448.01	6,693.99	1,569.23	2,000.00	970.03	25,622.39
.....	.....	.....	.....	.....	.....	.....	28,920.15
20,681.99	.....	1,266.38	29,510.09	4,073.12	5,357.44	8,167.69	117,643.56
62,336.08	589.19	1,714.39	36,204.08	5,642.35	7,357.44	9,137.72	172,186.10
228,454.35	5,735.72	11,933.64	60,033.73	53,989.02	11,816.19	19,523.60	532,287.11
47.9	73.1	82.4	25.0	85.4	0.2	41.7	51.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	St. Clair Beach 82	St. George P. V.	St. Jacobs P. V.	St. Marys 4,039	St. Thomas 17,892
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings				3,000.00	41,969.65
Substation equipment				23,878.71	80,551.41
Distribution system, overhead	5,308.79	3,579.53	4,873.34	37,535.86	89,806.29
Distribution system, underground					11,868.96
Line transformers	1,514.68	1,175.69	1,502.72	14,545.24	37,390.39
Meters	658.68	1,674.88	1,372.68	16,895.15	51,709.24
Street light equipment, regular		228.77	290.31	2,605.56	13,249.09
Street light equip., ornamental					7,538.63
Misc. construction expense		374.18	452.22	3,635.14	6,191.89
Steam or hydraulic plant					
Old plant				20,696.85	
Total plant	7,482.15	7,033.05	8,491.27	122,792.51	340,275.55
Bank and cash balance		1,824.31	10.47	1,109.10	7,861.28
Securities and investments		5,500.00	3,000.00		13,206.81
Accounts receivable	1,412.43	331.94	322.85	5,622.65	27,178.93
Inventories		400.00		3,755.89	32,488.86
Sinking fund on local debentures				5,959.71	
Equity in Hydro systems	161.65	1,309.39	490.06	17,404.63	50,549.12
Other assets					
Total assets	9,056.23	16,398.69	12,314.65	156,644.49	471,560.55
Deficit					
Total	9,056.23	16,398.69	12,314.65	156,644.49	471,560.55
LIABILITIES					
Debenture balance	6,171.80	5,067.59	4,814.59	49,563.97	80,964.38
Accounts payable	2,069.50	13.85	1,000.00	1,142.97	19,770.36
Bank overdraft					
Other liabilities					2,398.30
Total liabilities	8,241.30	5,081.44	5,814.59	50,706.94	103,133.04
RESERVES					
For depreciation	135.00	1,736.00	734.70	32,882.87	68,776.89
For equity in H.E.P.C. systems	161.65	1,309.39	490.06	17,404.63	50,549.12
Total reserves	296.65	3,045.39	1,224.76	50,287.50	119,326.01
SURPLUS					
Debentures paid	169.65	932.41	1,185.41	39,683.05	62,120.05
Local sinking fund				5,959.71	
Additional operating surplus	348.63	7,339.45	4,089.89	10,007.29	186,981.45
Total surplus	518.28	8,271.86	5,275.30	55,650.05	249,101.50
Total liabilities, reserves & surplus	9,056.23	16,398.69	12,314.65	156,644.49	471,560.55
Percentage of net debt to total assets	92.6	33.6	50.0	36.4	24.4

"A"—Continued

Hydro Municipalities as at December 31, 1923

Sarnia 14,905	Scarboro Twp.	Seaforth 1,950	Simcoe 3,951	Springfield 432	Stamford Twp.	*Stouffville	Stratford 17,611
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
75,247.75	.....	1,251.57	1,996.22	.....	5,790.86	.....	107,668.03
94,031.72	.....	6,009.16	5,640.37	.....	14,713.82	.....	81,206.11
136,558.59	135,058.53	25,870.18	23,796.09	4,406.17	45,964.12	7,170.67	132,462.42
.....	.....	.....	.....	.....	.....	.....	.....
71,370.26	22,242.28	6,789.35	11,595.90	671.74	15,136.77	1,904.44	59,843.03
56,047.21	33,366.28	7,479.65	8,392.42	1,044.92	12,037.14	1,488.50	68,374.34
4,869.85	7,203.59	1,057.31	1,813.41	269.42	4,366.82	740.20	4,223.95
7,482.11	.....	.....	2,527.16	.....	.....	.....	14,133.77
19,834.87	Cr. 2,092.57	364.48	3,880.65	685.08	6,803.39	246.41	15,638.59
.....	.....	.....	.....	.....	.....	.....	16,150.00
56,248.50	.....	.....	927.92	.....	13,743.66	4,740.27	.....
521,690.86	195,778.11	48,821.70	60,570.14	7,077.33	118,556.58	16,290.49	499,700.24
10,255.11	5,567.48	56.03	.....	1,147.97	1,941.48	506.82	.....
.....	.....	7,000.00	6,000.00	.....	.....	.....	3,000.00
30,367.83	9,607.79	4,397.38	2,628.72	.....	1,802.55	.....	73,629.42
9,305.34	.....	2,789.47	.....	.....	7,752.05	.....	15,643.43
.....	.....	6,697.69	.....	.....	.....	.....	64,365.61
34,070.92	3,180.48	13,603.61	3,344.04	194.74	3,784.42	11.78	53,346.10
.....	.....	.....	.....	.....	350.00	.....	.....
605,690.06	214,133.86	83,365.88	72,542.90	8,420.04	134,187.08	16,809.09	709,684.80
.....	.....	.....	.....	.....	.....	.....	.....
605,690.06	214,133.86	83,365.88	72,542.90	8,420.04	134,187.08	16,809.09	709,684.80
248,408.61	108,167.54	25,000.00	33,784.12	1,763.29	95,298.26	15,740.27	362,000.00
37,005.66	51,098.92	.....	.....	408.36	1,195.66	827.14	53,055.01
.....	1,916.64	.....	3,391.73	.....	.....	.....	17,692.40
9,871.67	7,749.35	3.00	3,500.00	.....	425.00	.....	.....
295,285.94	168,932.45	25,003.00	40,675.85	2,171.65	96,918.92	16,567.41	432,747.41
66,169.99	10,674.90	15,496.35	10,409.57	.....	10,242.49	.....	94,060.40
34,070.92	3,180.48	13,603.61	3,344.04	194.74	3,784.42	11.78	53,346.10
100,240.91	13,855.38	29,099.96	13,753.61	194.74	14,026.91	11.78	147,406.50
49,591.39	7,400.73	.....	1,650.78	3,236.71	7,701.74	.....	43,800.00
.....	.....	6,697.69	.....	.....	.....	.....	64,365.61
160,571.82	23,945.30	22,565.23	16,462.66	2,816.94	15,539.51	229.90	21,365.28
210,163.21	31,346.03	29,262.92	18,113.44	6,053.65	23,241.25	229.90	129,530.89
605,690.06	214,133.86	83,365.88	72,542.90	8,420.04	134,187.08	16,809.09	709,684.80
51.6	80.0	35.8	58.7	26.3	74.3	98.6	65.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Strathroy 2,627	Sutton	Tavistock 1,003	Tecumseh 1,019	Thamesford, P. V.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,070.00	.....	234.02	.....	.....
Substation equipment	14,311.48	.....	.....	.....	.....
Distribution system, overhead	27,190.51	13,701.33	9,010.16	18,983.82	5,384.83
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	13,969.06	1,972.72	2,471.92	3,756.66	2,099.67
Meters	10,663.56	1,671.80	3,651.85	4,834.68	1,457.42
Street light equipment, regular	1,566.10	1,093.39	711.93	.....	176.85
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	850.44	975.49	628.49	1,262.48	214.02
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	12,343.15	675.00	.....	.....	.....
Total plant	81,964.30	20,089.73	16,708.37	28,837.64	9,332.79
Bank and cash balance	1,502.37	351.19	.....	.....	1,748.39
Securities and investments	.....	.....	10,456.41	.....	2,000.00
Accounts receivable	2,000.13	504.93	.....	1,609.65	548.19
Inventories	13,361.34	.....	275.79	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	8,553.89	13.92	3,021.91	492.27	2,129.79
Other assets	.....	.....	.....	.....	.....
Total assets	107,382.03	20,959.77	30,462.48	30,939.56	15,759.16
Deficit	.....	197.73	.....	865.23	.....
Total	107,382.03	21,157.50	30,462.48	31,804.79	15,759.16
LIABILITIES					
Debenture balance	33,203.45	.....	5,264.69	24,850.97	3,920.89
Accounts payable	1,907.66	1,143.58	2,485.55	4,121.90	16.28
Bank overdraft	.....	20,000.00	120.90	.....	.....
Other liabilities	.....	.....	.....	.....	.....
Total liabilities	35,111.11	21,143.58	7,871.14	28,972.87	3,937.17
RESERVES					
For depreciation	14,388.44	.....	2,264.95	1,190.62	2,699.69
For equity in H.E.P.C. systems	8,553.89	13.92	3,021.91	492.27	2,129.79
Total reserves	22,942.33	13.92	5,286.86	1,682.89	4,829.48
SURPLUS					
Debentures paid	13,028.55	.....	735.31	1,149.03	1,437.14
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	36,300.04	.....	16,569.17	.....	5,555.37
Total surplus	49,328.59	.....	17,304.48	1,149.03	6,992.51
Total liabilities, reserves & surplus	107,382.03	21,157.50	30,462.48	31,804.79	15,759.16
Percentage of net debt to total assets	35.5	100.9	28.6	95.1	28.9

"A"—Continued

Hydro Municipalities as at December 31, 1923

Thames-ville 817	Thedford 583	Thorn-dale P.V.	Thorold 5,243	Tilbury 1,851	Tillson-burg 3,027	Toronto 522,942	Toronto Twp.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	.....	957.46	2,224.27	1,886,645.31	.....
.....	.....	.....	.....	.....	13,947.52	3,260,779.96	.....
6,092.72	7,265.24	2,428.22	22,054.95	7,610.28	31,036.77	5,035,030.12	103,471.82
.....	.....	.....	.....	.....	.....	1,229,520.85	.....
2,597.20	1,328.45	1,365.40	8,295.88	5,891.49	8,371.51	1,399,138.70	19,810.09
2,723.45	1,619.83	1,083.36	13,694.80	4,102.31	9,501.18	1,554,914.27	13,078.09
342.92	843.20	86.49	1,730.68	394.23	2,780.82	354,971.61	75.33
.....	.....	.....	.....	.....	242.81	.....	.....
576.75	1,530.81	310.45	4,152.75	1,179.48	933.23	2,612,636.03	895.34
.....	.....	.....	17,350.95	.....	.....	.....	.....
4,232.38	433.78	.....	.....	3,049.47	.....	7,066,015.32	619.65
16,565.42	13,021.31	5,273.92	67,280.01	23,184.72	69,038.11	24,399,652.17	137,959.32
2,220.63	253.49	835.85	1,210.51	1,416.67	765.21	615,122.44	1,693.83
5,000.00	3,000.00	.....	.....	4,000.00	13,000.00	500,000.00	7,000.00
1,114.53	1,656.32	.....	5,294.65	2,504.15	4,346.44	1,203,600.51	3,826.11
.....	.....	29.07	.....	.....	1,738.61	1,123,053.14	.....
.....	.....	.....	.....	.....	5,246.89	2,288,610.42	.....
1,547.83	131.14	2,167.59	1,822.37	2,892.85	13,126.97	1,062,199.60	3,625.33
.....	.....	.....	.....	.....	.....	.....	.....
26,448.41	18,062.26	8,306.43	75,607.54	33,998.39	107,262.23	31,192,238.28	154,104.59
.....	.....	.....	.....	.....	.....	.....	.....
26,448.41	18,062.26	8,306.43	75,607.54	33,998.39	107,262.23	31,192,238.28	154,104.59
8,761.38	15,575.99	2,327.41	4,620.66	11,553.50	26,774.43	19,389,014.11	72,019.26
12.96	7.29	1,589.01	1,192.97	889.87	288.94	1,525,115.73	5,870.36
.....	.....	.....	.....	.....	.....	150,024.66	.....
.....	.....	.....	939.50	.....	506.00	794,882.17	500.01
8,774.34	15,583.28	3,916.42	6,753.13	12,443.37	27,569.37	21,859,036.67	78,389.63
3,044.19	221.00	1,194.66	19,642.77	3,710.26	20,431.46	3,539,207.57	27,740.48
1,547.83	131.14	2,167.59	1,822.37	2,892.85	13,126.97	1,062,199.60	3,625.33
4,592.02	352.14	3,362.25	21,465.14	6,603.11	33,558.43	4,601,407.17	31,365.81
2,426.42	924.01	759.07	379.34	2,446.50	9,225.57	653,985.89	6,980.74
.....	.....	.....	.....	.....	5,246.89	2,288,610.42	.....
10,655.63	1,202.83	268.69	47,009.93	12,505.41	31,661.97	1,789,198.13	37,368.41
13,082.05	2,126.84	1,027.76	47,389.27	14,951.91	46,134.43	4,731,794.44	44,349.15
26,448.41	18,062.26	8,306.43	75,607.54	33,998.39	107,262.23	31,192,238.28	154,104.59
35.6	86.9	63.7	9.1	40.0	29.2	72.5	52.1

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Townsend Twp.	Vaughan Twp.	Walkerville 7,303	Wallaceburg 3,921	Wardsville 212
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings			123,447.08	1,735.58	
Substation equipment			72,840.43	2,333.21	
Distribution system, overhead	853.71	3,669.68	63,330.56	32,545.77	4,418.43
Distribution system, underground					
Line transformers	1,317.08	3,370.44	45,030.81	17,946.95	601.14
Meters	269.74	2,540.63	40,906.55	13,963.87	585.75
Street light equipment, regular		122.54		2,089.26	497.73
Street light equip., ornamental			51,000.00		
Misc. construction expense	85.55	517.44	37,417.84	6,230.90	488.73
Steam or hydraulic plant					
Old plant			18,335.05	19,485.49	193.94
Total plant	2,526.08	10,220.73	452,308.32	96,331.03	6,785.72
Bank and cash balance		377.33	50.00	28,001.64	1,788.91
Securities and investments					
Accounts receivable	73.92	1,824.14	111,981.61	20,317.22	84.58
Inventories			31,811.44	6,370.95	
Sinking fund on local debentures					
Equity in Hydro systems	450.42	2,467.99	76,521.37	12,227.46	64.28
Other assets			1,855.24		
Total assets	3,050.42	14,890.19	674,527.98	163,248.30	8,723.49
Deficit		1,805.79			
Total	3,050.42	16,695.98	674,527.98	163,248.30	8,723.49
LIABILITIES					
Debenture balance	2,201.57	6,826.82	259,364.71	63,328.75	7,114.39
Accounts payable		2,824.37	25,907.74	6,533.35	1.22
Bank overdraft			35,433.01		
Other liabilities			65,715.70	127.00	
Total liabilities	2,201.57	9,651.19	386,421.16	69,989.10	7,115.61
RESERVES					
For depreciation		3,403.62	56,119.52	15,979.15	246.00
For equity in H.E.P.C. systems	450.42	2,467.99	76,521.37	12,227.46	64.28
Total reserves	450.42	5,871.61	132,640.89	28,206.61	310.28
SURPLUS					
Debentures paid	398.43	1,173.18	39,894.29	8,207.83	448.01
Local sinking fund					
Additional operating surplus			115,571.64	56,844.76	849.59
Total surplus	398.43	1,173.18	155,465.93	65,052.59	1,297.60
Total liabilities, reserves & surplus	3,050.42	16,695.98	674,527.98	163,248.30	8,723.49
Percentage of net debt to total assets	84.6	77.7	64.6	46.3	82.1

"A"—Continued

Hydro Municipalities as at December 31, 1923

Waterdown 815	Waterford 1,112	Waterloo 5,976	Waterloo Twp.	Watford 1,039	Welland 8,880	Wellesley P. V.	West Lorne 803
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
200.00	.....	13,773.78	.....	.....	28,056.84	.....	.....
.....	.....	49,881.03	.....	.....	49,403.70	.....	.....
11,052.63	8,866.24	54,183.62	334.38	9,702.51	111,745.09	5,186.70	6,535.88
.....	.....	.....	.....	.....	.....	.....	.....
2,004.04	3,982.30	21,714.74	1,015.13	3,196.65	33,425.15	1,704.76	2,737.62
3,362.83	3,785.23	21,655.77	355.49	3,503.61	30,427.80	1,595.70	2,065.16
341.67	1,721.08	6,245.39	.....	597.42	4,610.66	425.70	567.97
.....	.....	.....	.....	.....	.....	.....	.....
100.34	442.53	6,012.21	33.88	1,305.70	12,210.98	128.57	234.43
.....	.....	2,333.64	.....	.....	.....	.....	.....
.....	607.69	24,527.03	.....	657.44	.....	.....	1,250.00
17,061.51	19,405.07	200,327.21	1,738.88	18,963.33	269,880.22	9,041.43	13,391.06
17.27	1,824.61	.....	.....	2,678.14	100.00	2,861.18	3,921.12
5,500.00	3,000.00	.....	.....	.....	.....	.....	6,000.00
1,237.49	650.60	12,907.95	.....	1,951.77	73,212.00	68.74	435.79
39.00	16.10	4,237.74	.....	.....	3,070.64	.....	48.24
.....	.....	4,032.00	.....	.....	39,720.05	.....	.....
3,130.77	2,228.44	22,395.63	681.23	656.18	14,284.73	1,896.91	1,568.96
.....	.....	.....	.....	.....	.....	.....	.....
26,986.04	27,124.82	243,900.53	2,420.11	24,249.42	400,267.64	13,868.26	25,365.17
.....	.....	.....	.....	.....	25,845.22	.....	.....
26,986.04	27,124.82	243,900.53	2,420.11	24,249.42	426,112.86	13,868.26	25,365.17
4,079.24	.....	89,223.12	.....	7,211.91	197,959.99	5,788.65	7,150.62
421.88	73.92	829.29	1,738.88	.....	86,864.56	.....	1,467.84
.....	.....	9,665.31	.....	.....	2,414.59	.....	.....
.....	.....	.....	.....	.....	19,905.62	.....	.....
4,501.12	73.92	99,717.72	1,738.88	7,211.91	307,144.76	5,788.65	8,618.46
9,563.78	3,751.40	50,075.41	.....	2,292.67	62,923.31	1,980.00	2,060.00
3,130.77	2,228.44	22,395.63	681.23	656.18	14,284.73	1,896.91	1,568.96
12,694.55	5,979.84	72,471.04	681.23	2,948.85	77,208.04	3,876.91	3,628.96
3,920.76	7,745.53	16,776.88	.....	2,501.30	2,040.01	1,711.35	849.38
.....	.....	4,032.00	.....	.....	39,720.05	.....	.....
5,869.61	13,325.53	50,902.89	.....	11,587.36	.....	2,491.35	12,268.37
9,790.37	21,071.06	71,711.77	.....	14,088.66	41,760.06	4,202.70	13,117.75
26,986.04	27,124.82	243,900.53	2,420.11	24,249.42	426,112.86	13,868.26	25,365.17
18.8	0.2	45.0	100.0	30.5	79.5	48.3	36.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Weston 3,299	Windsor 38,530	Wood-bridge 679	Wood-stock 10,164	Wyoming 489
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	3,514.15	160,825.62	.....	28,776.51	.....
Substation equipment	24,706.32	227,731.86	.....	59,727.65	.....
Distribution system, overhead	29,974.07	402,379.10	8,932.68	77,539.09	6,609.44
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	17,932.19	202,173.41	2,958.71	37,914.91	1,012.00
Meters	12,757.58	194,051.68	2,667.58	38,575.51	1,487.96
Street light equipment, regular	5,035.77	23,603.16	397.62	10,699.09	275.52
Street light equip., ornamental	13,508.43	286,984.35	.....	.....	.....
Misc. construction expense	4,549.02	88,434.50	642.82	17,626.55	805.20
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	116,786.47	.....	14,908.62	.....
Total plant	111,977.53	1,702,970.15	15,599.41	285,767.93	10,190.12
Bank and cash balance	1,844.08	275.00	1,167.05	447.65	952.08
Securities and investments	.....	.....	4,993.58	.....	.....
Accounts receivable	10,501.03	270,528.42	1,726.97	8,239.01	1,000.00
Inventories	546.46	107,559.03	49.20	2,543.63	.....
Sinking fund on local debentures	.....	46,408.86	.....	24,995.73	.....
Equity in Hydro systems	20,923.73	92,005.89	2,961.57	30,021.65	857.09
Other assets	.....	.....	.....	.....	.....
Total assets	145,792.83	2,219,747.35	26,497.78	352,015.60	12,999.29
Deficit	.....	.....	.....	.....	797.70
Total	145,792.83	2,219,747.35	26,497.78	352,015.60	13,796.99
LIABILITIES					
Debenture balance	36,765.47	1,055,834.52	7,359.21	87,385.63	7,478.33
Accounts payable	10,602.42	236,227.86	999.92	1,187.25	1,483.90
Bank overdraft	.....	448.02	.....	.....	.....
Other liabilities	.....	302,467.20	.....	750.00	.....
Total liabilities	47,367.89	1,594,977.60	8,359.13	89,322.88	8,962.23
RESERVES					
For depreciation	25,497.31	116,209.30	3,679.17	57,646.65	1,756.00
For equity in H.E.P.C. systems	20,923.73	92,005.89	2,961.57	30,021.65	857.09
Total reserves	46,421.04	208,215.19	6,640.74	87,668.30	2,613.09
SURPLUS					
Debentures paid	8,202.41	84,165.51	1,140.76	40,000.00	2,221.67
Local sinking fund	.....	46,408.86	.....	24,995.73	.....
Additional operating surplus	43,801.49	285,980.19	10,357.15	110,028.69	.....
Total surplus	52,003.90	416,554.56	11,497.91	175,024.42	2,221.67
Total liabilities, reserves & surplus	145,792.83	2,219,747.35	26,497.78	352,015.60	13,796.99
Percentage of net debt to total assets	37.9	74.9	35.5	27.7	61.5

"A"—Continued

Hydro Municipalities as at December 31, 1923

			SEVERN SYSTEM			
York Twp.	Zurich P. V.	NIAGARA SYSTEM SUMMARY	Alliston 1,321	Barrie 6,888	Beeton 586	Bradford 1,028
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	3,958,652.28	.....	12,403.21	.....	.....
.....	.....	5,535,391.76	675.73	4,682.98	428.50	388.50
447,740.48	3,949.55	10,895,508.36	20,819.12	38,961.41	10,472.45	14,596.29
.....	.....	1,665,243.02	.....	.....	.....	.....
.....	991.96	3,559,779.72	4,894.37	12,819.54	1,731.74	1,362.34
.....	1,400.35	3,785,448.77	4,979.49	28,426.68	1,189.73	2,124.42
23,334.05	395.77	848,123.43	1,354.92	5,321.09	913.98	544.95
.....	.....	628,668.05	.....	.....	.....	.....
6,706.84	250.77	3,377,285.69	2,537.92	413.68	1,432.19	1,691.36
.....	.....	35,834.59	.....	.....	.....	.....
.....	150.00	7,734,869.46	8,146.49	41,587.61	.....	.....
477,781.37	7,138.40	42,024,805.13	43,408.04	144,616.20	16,168.59	20,707.86
.....	266.35	936,593.67	3,957.65	1,246.78	34.27	1,437.89
.....	5,500.00	811,628.38	.....	56,114.97	.....	.....
1,627.35	434.03	2,806,565.91	1,879.35	11,925.31	770.35	841.24
.....	.....	1,689,048.51	.....	3,500.01	13.67	52.81
.....	.....	3,219,783.04	.....	.....	.....	.....
.....	588.62	2,738,027.76	.....	10,728.54	.....	.....
556.28	.....	187,033.52	.....	.....	.....	.....
479,965.00	13,927.40	54,413,485.92	49,245.04	228,131.81	16,986.88	23,039.80
.....	.....	42,025.01	490.89	.....	2,388.87	6,875.62
479,965.00	13,927 40	54,455,510.93	49,735.93	228,131.81	19,375.75	29,915.42
188,799.99	5,131.30	29,216,488.99	36,583.49	26,311.39	13,752.47	18,073.83
264,906.48	.....	3,386,134.68	4,026.93	3,200.20	2,168.34	7,703.10
952.55	.....	625,564.24	.....	.....	.....	.....
.....	.....	1,478,804.33	.....	700.00	.....	.....
454,659.02	5,131.30	34,706,992.24	40,610.42	30,211.59	15,920.81	25,776.93
11,109.58	1,354.00	6,258,817.81	5,709.00	28,401.40	2,207.41	3,012.32
.....	588.62	2,738,027.76	.....	10,728.54	.....	.....
11,109.58	1,942.62	8,996,845.57	5,709.00	39,129.94	2,207.41	3,012.32
11,200.01	460.31	2,108,144.07	3,416.51	60,688.61	1,247.53	1,126.17
.....	.....	3,219,783.04	.....	.....	.....	.....
2,996.39	6,393.17	5,423,746.01	.....	98,101.67	.....	.....
14,196.40	6,853.48	10,751,673.12	3,416.51	158,790.28	1,247.53	1,126.17
479,965.00	13,927.40	54,455,510.93	49,735.93	228,131.81	19,375.75	29,915.42
94.7	38.4	67.1	82.4	13.8	93.7	111.9

STATEMENT

Balance Sheets of Electrical Departments of

SEVERN SYSTEM—Continued

Municipality Population	Coldwater 647	Collingwood 6,237	Cookstown P. V.	Creemore 540
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings	275.00	12,880.52	60.00	.....
Substation equipment	.....	11,212.59	392.95	.....
Distribution system, overhead	6,570.34	39,450.46	8,547.10	5,333.96
Distribution system, underground	.....	.....	.....	.....
Line transformers	2,715.07	11,358.58	1,811.45	1,318.57
Meters	1,933.64	18,860.82	1,218.07	1,915.15
Street light equipment, regular	372.82	2,688.59	514.21	272.07
Street light equip., ornamental	.....	.....	.....	.....
Misc. construction expense	132.53	7,838.56	1,499.15	185.41
Steam or hydraulic plant	.....	.....	.....	.....
Old plant	.....	517.75	.....	2,651.15
Total plant	11,999.40	104,807.87	14,042.93	11,676.31
Bank and cash balance	3,947.65	8,745.37	1,125.25	2,979.12
Securities and investments	.....	13,000.00	1,000.00	5,000.00
Accounts receivable	3,013.25	28,181.11	450.37	1,110.54
Inventories	.....	872.91	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....
Equity in Hydro systems	1,398.40	26,808.20	.....	1,664.74
Other assets	.....	.....	.....	.....
Total assets	20,358.70	182,415.46	16,618.55	22,430.71
Deficit	.....	.....	.....	.....
Total	20,358.70	182,415.46	16,618.55	22,430.71
LIABILITIES				
Debenture balance	5,755.70	17,519.71	12,418.50	4,469.58
Accounts payable	.....	4,277.67	628.11	39.00
Bank overdraft	.....	.....	.....	.....
Other liabilities	400.00	1,077.27	.....	.....
Total liabilities	6,155.70	22,874.65	13,046.61	4,508.58
RESERVES				
For depreciation	4,171.12	29,677.43	2,078.00	2,410.26
For equity in H.E.P.C. systems	1,398.40	26,808.20	.....	1,664.74
Total reserves	5,569.52	56,485.63	2,078.00	4,075.00
SURPLUS				
Debentures paid	1,244.30	21,890.58	1,081.50	2,030.42
Local sinking fund	.....	.....	.....	.....
Additional operating surplus	7,389.18	81,164.60	412.44	11,816.71
Total surplus	8,633.48	103,055.18	1,493.94	13,847.13
Total liabilities, reserves & surplus	20,358.70	182,415.46	16,618.55	22,430.71
Percentage of net debt to total assets	32.4	14.6	78.5	21.7

"A"—Continued

Hydro Municipalities as at December 31, 1923

Elmvale P. V.	Midland 7,022	Penetang-uishene 3,920	Port McNicoll 576	Stayner 1,004	Thornton P. V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
106.25	10,864.80	2,151.00	202.60	.....	.....
.....	20,644.94	3,507.71	.....	200.00	.....
6,823.38	73,439.00	35,455.52	6,149.46	9,099.84	5,923.77
.....	.....	.....	.....	.....	.....
2,322.34	15,136.85	13,455.02	562.39	2,940.85	606.88
2,238.67	23,871.85	10,892.00	1,319.65	3,088.51	369.01
333.78	5,247.42	2,345.77	166.73	790.02	375.90
.....	.....	.....	.....	.....	.....
455.93	7,217.43	1,664.52	496.42	310.33	300.35
.....	.....	.....	.....	.....	.....
.....	14,515.62	2,374.20	.....	4,132.41	.....
12,280.35	170,937.91	71,845.74	8,897.25	20,561.96	7,575.91
5,750.66	14,045.40	15,694.17	690.38	2,799.56	323.92
.....	9,900.04	.....	.....	4,000.00	.....
1,395.21	26,748.36	7,968.72	320.85	984.34	.....
192.07	3,454.82	579.56	11.96	88.81	.....
.....	.....	.....	.....	.....	.....
2,253.38	19,921.97	16,120.27	523.31	2,327.05	.....
.....	.....	.....	.....	.....	.....
21,871.67	245,008.50	112,208.46	10,443.75	30,761.72	7,899.83
.....	.....	.....	.....	.....	3,144.19
21,871.67	245,008.50	112,208.46	10,443.75	30,761.72	11,044.02
5,503.16	77,769.28	31,403.40	5,832.38	9,634.67	6,705.34
.....	222.98	.....	283.08	.....	2,286.02
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
5,503.16	77,992.26	31,403.40	6,115.46	9,634.67	8,991.36
4,031.00	38,675.31	21,746.48	1,650.00	4,300.28	1,258.00
2,253.38	19,921.97	16,120.27	523.31	2,327.05	.....
6,284.38	58,597.28	37,866.75	2,173.31	6,627.33	1,258.00
1,496.84	34,300.71	9,596.60	1,467.62	4,365.33	794.66
.....	.....	.....	.....	.....	.....
8,587.29	74,118.25	33,341.71	687.36	10,134.39	.....
10,084.13	108,418.96	42,938.31	2,154.98	14,499.72	794.66
21,871.67	245,008.50	112,208.46	10,443.75	30,761.72	11,044.02
28.0	34.6	32.7	61.6	33.9	113.8

STATEMENT

Balance Sheets of Electrical Departments of

SEVERN SYSTEM—Continued

Municipality Population	Tottenham 512	Victoria Harbour 1,485	Waubaushene P. V.	SEVERN SYSTEM SUMMARY
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings				38,943.38
Substation equipment	358.50			42,492.40
Distribution system, overhead	7,707.79	5,094.22	3,444.15	297,888.26
Distribution system, underground				
Line transformers	1,117.48	825.92	490.42	75,469.81
Meters	1,533.67	2,030.65	968.72	106,960.73
Street light equipment, regular	460.17	216.97	164.14	22,083.53
Street light equip., ornamental				
Misc. construction expense	1,287.37	642.64	257.66	28,363.45
Steam or hydraulic plant				
Old plant	361.45			74,286.68
Total plant	12,826.43	8,810.40	5,325.09	686,488.24
Bank and cash balance	1,050.08	4,162.35	2,541.49	70,531.99
Securities and investments				89,015.01
Accounts receivable	162.81	469.38	130.23	86,351.42
Inventories				8,766.62
Sinking fund on local debentures				
Equity in Hydro systems		786.99	405.72	82,938.57
Other assets				
Total assets	14,039.32	14,229.12	8,402.53	1,024,091.85
Deficit	3,817.34			16,716.91
Total	17,856.66	14,229.12	8,402.53	1,040,808.76
LIABILITIES				
Debenture balance	8,085.59	4,687.79	2,558.29	287,064.57
Accounts payable	5,937.74		226.66	30,999.83
Bank overdraft				
Other liabilities				2,177.27
Total liabilities	14,023.33	4,687.79	2,784.95	320,241.67
RESERVES				
For depreciation	1,451.82	2,022.37	1,023.51	153,825.71
For equity in H.E.P.C. systems		786.99	405.72	82,938.57
Total reserves	1,451.82	2,809.36	1,429.23	236,764.28
SURPLUS				
Debentures paid	2,381.51	1,812.21	941.71	149,882.81
Local sinking fund				
Additional operating surplus		4,919.76	3,246.64	333,920.00
Total surplus	2,381.51	6,731.97	4,188.35	483,802.81
Total liabilities, reserves & surplus	17,856.66	14,229.12	8,402.53	1,040,808.76
Percentage of net debt to total assets	99.9	34.9	36.1	34.0

"A"—Continued

Hydro Municipalities as at December 31, 1923

EUGENIA SYSTEM

Arthur 1,222	Chatsworth 287	Chesley 1,803	Derby Twp.	Dundalk 725	Durham 1,622	Elmwood P. V.	Flesherton 410
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	65.00	.....	.....	.....	.....	.....	.....
.....	.....	595.98	.....	.....	584.88	.....	.....
15,706.53	3,784.44	17,465.49	90.41	6,092.01	16,200.56	4,662.77	4,615.55
.....	.....	.....	.....	.....	.....	.....	.....
3,799.78	667.69	4,117.38	73.32	1,404.81	5,483.08	803.88	324.62
2,596.02	832.42	4,800.88	32.05	1,474.19	3,497.07	624.18	911.55
624.60	288.30	1,017.36	.....	648.09	921.12	302.28	384.61
.....	.....	.....	.....	.....	.....	.....	.....
245.82	385.90	3,309.66	14.68	228.69	915.61	1,093.62	869.12
.....	.....	.....	.....	.....	.....	.....	.....
1,101.47	.....	5,503.60	.....	380.94	1,506.51	.....	.....
24,074.22	6,023.75	36,810.35	210.46	10,228.73	29,108.83	7,486.73	7,105.45
244.04	758.25	64.38	.....	13.02	10,918.53	530.08	1,129.46
.....	.....	.....	.....	3,000.00	.....	.....	.....
128.36	566.60	2,956.58	.....	803.20	2,276.19	228.63	338.20
.....	.....	140.00	.....	.....	.....	.....	20.00
.....	1,238.60	.....	.....	.....	.....	174.72	.....
3,139.97	661.81	3,661.62	.....	1,651.47	4,409.89	.....	920.65
.....	.....	.....	.....	.....	.....	.....	.....
27,586.59	9,249.01	43,632.93	210.46	15,696.42	46,713.44	8,420.16	9,513.76
14,534.18	.....	.....	.....	.....	.....	415.05	699.11
42,120.77	9,249.01	43,632.93	210.46	15,696.42	46,713.44	8,835.21	10,212.87
19,075.44	5,233.46	20,317.11	.....	3,607.66	19,942.27	5,948.84	5,802.30
12,826.15	383.00	.....	210.46	120.00	735.33	502.52	927.70
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
31,901.59	5,616.46	20,317.11	210.46	3,727.66	20,677.60	6,451.36	6,730.00
5,154.65	1,244.57	6,140.40	.....	2,208.22	4,712.71	957.97	1,664.52
3,139.97	661.81	3,661.62	.....	1,651.47	4,409.89	.....	920.65
8,294.62	1,906.38	9,802.02	.....	3,859.69	9,122.60	957.97	2,585.17
1,924.56	166.54	7,182.89	.....	2,729.24	5,857.73	1,251.16	897.70
.....	1,238.60	.....	.....	.....	.....	174.72	.....
.....	321.03	6,330.91	.....	5,379.83	11,055.51	.....	.....
1,924.56	1,726.17	13,513.80	.....	8,109.07	16,913.24	1,425.88	897.70
42,120.77	9,249.01	43,632.93	210.46	15,696.42	46,713.44	8,835.21	10,212.87
130.4	65.4	50.8	100.0	26.5	48.8	76.6	78.3

STATEMENT

Balance Sheets of Electrical Departments of

EUGENIA
SYSTEM—Continued

Municipality Population	Grand Valley 583	Hanover 2,695	Holstein P. V.	Kincardine 2,159	Lucknow 887
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	36.50	64.80	.....	4,531.41	.....
Substation equipment	.....	9,271.19	.....	2,794.20	.....
Distribution system, overhead	8,944.18	45,102.52	2,010.87	34,668.94	14,208.54
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	711.05	13,720.33	455.22	6,241.21	2,084.04
Meters	1,647.15	11,867.78	341.87	6,080.72	2,460.50
Street light equipment, regular	458.21	2,291.18	168.69	3,807.43	1,040.95
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	205.70	6,424.37	170.25	5,650.68	2,099.08
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	919.85	2,370.91	.....	.....	.....
Total plant	12,922.64	91,113.08	3,146.90	63,774.59	21,893.11
Bank and cash balance	856.58	21,730.93	378.55	470.42	1,479.90
Securities and investments	4,500.00	.....	.....	.....	.....
Accounts receivable	67.37	4,456.28	476.38	1,170.68	49.35
Inventories	63.65	150.00	.....	1,328.50	40.00
Sinking fund on local debentures	.....	.....	.....	3,622.36	.....
Equity in Hydro systems	1,286.99	12,332.67	446.33	.....	.....
Other assets	.....	465.67	.....	.....	.....
Total assets	19,697.23	130,248.63	4,448.16	70,366.55	23,462.36
Deficit	.....	.....	4,218.34	9,512.13	.....
Total	19,697.23	130,248.63	8,666.50	79,878.68	23,462.36
LIABILITIES					
Debenture balance	8,489.99	75,120.32	1,925.64	60,164.64	18,388.80
Accounts payable	1,091.19	6,757.23	4,963.71	10,085.51	1,095.37
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	.....	.....	.....	.....
Total liabilities	9,581.18	81,877.55	6,889.35	70,250.15	19,484.17
RESERVES					
For depreciation	2,564.77	12,656.35	494.41	1,970.81	768.00
For equity in H.E.P.C. systems	1,286.99	12,332.67	446.33	.....	.....
Total reserves	3,851.76	24,989.02	940.74	1,970.81	768.00
SURPLUS					
Debentures paid	2,510.01	12,379.68	836.41	4,035.36	1,334.56
Local sinking fund	.....	.....	.....	3,622.36	.....
Additional operating surplus	3,754.28	11,002.38	.....	.....	1,875.63
Total surplus	6,264.29	23,382.06	836.41	7,657.72	3,210.19
Total liabilities, reserves & surplus	19,697.23	130,248.63	8,666.50	79,878.68	23,462.36
Percentage of net debt to total assets	52.0	69.4	154.9	99.8	83.0

*Not final.

"A"—Continued

Hydro Municipalities as at December 31, 1923

Markdale 908	Mount Forest 1,761	Neustadt 445	Orange-ville 2,503	Owen Sound 12,360	Paisley 749	*Priceville P. V.	Ripley P. V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	3,725.00	.....	2,517.00	28,953.74	.....	68.00	.....
780.80	686.75	.....	1,169.00	8,524.45	.....	.....	.....
7,503.93	17,975.80	9,663.12	22,134.66	75,210.93	9,522.31	4,625.00	8,718.48
.....	.....	.....	.....	.....	.....	.....	.....
2,108.87	3,628.71	4,282.03	3,209.08	29,075.26	1,155.68	549.70	2,592.36
1,961.20	4,074.50	1,516.42	5,452.49	39,175.64	1,747.65	301.10	568.09
530.79	1,833.74	496.41	1,149.67	10,382.33	1,013.81	139.88	850.83
.....	.....	.....	.....	500.00	.....	.....	.....
549.06	1,796.02	1,495.88	3,331.69	2,303.96	464.03	833.90	1,164.99
.....	.....	.....	.....	33,282.00	.....	.....	.....
2,080.65	3,958.97	1,097.60	3,204.99	.....	1,816.30	.....	.....
15,515.30	37,679.49	18,551.46	42,168.58	227,408.31	15,719.78	6,517.58	13,894.75
998.00	3,455.60	34.63	1,160.72	.....	.....	108.20	554.33
.....	3,887.83	.....	.....	.....	.....	.....	.....
683.72	788.90	1,512.33	551.29	10,893.69	943.56	332.25	21.24
505.47	310.84	.....	377.00	11,523.26	.....	.....	.....
.....	.....	.....	.....	80,216.61	.....	.....	.....
898.18	4,324.67	.....	3,224.22	23,264.82	.....	.....	.....
.....	.....	.....	.....	1,021.10	.....	.....	.....
18,600.67	50,447.33	20,098.42	47,481.81	354,327.79	16,663.34	6,958.03	14,470.32
.....	.....	4,287.13	4,950.83	.....	.....	1,105.06	1,026.27
18,600.67	50,447.33	24,385.55	52,432.64	354,327.79	16,663.34	8,063.09	15,496.59
7,873.61	21,461.96	14,642.56	27,331.74	105,000.00	15,978.53	6,382.80	13,367.90
.....	6,135.67	5,146.55	5,536.22	11,482.62	.....	818.09	1,054.65
.....	.....	.....	.....	274.68	517.67	.....	.....
.....	.....	.....	.....	987.95	30.00	.....	.....
7,873.61	27,597.63	19,789.11	32,867.96	117,745.25	16,526.20	7,200.89	14,422.55
3,116.05	6,730.51	2,239.00	7,772.20	36,017.44	.....	245.00	470.00
898.18	4,324.67	.....	3,224.22	23,264.82	.....	.....	.....
4,014.23	11,055.18	2,239.00	10,996.42	59,282.26	.....	245.00	470.00
1,126.39	9,496.64	2,357.44	8,568.26	36,000.00	.....	617.20	604.04
.....	.....	.....	.....	80,216.61	.....	.....	.....
5,586.44	2,297.88	.....	.....	61,083.67	137.14	.....	.....
6,712.83	11,794.52	2,357.44	8,568.26	177,300.28	137.14	617.20	604.04
18,600.67	50,447.33	24,385.55	52,432.64	354,327.79	16,663.34	8,063.09	15,496.59
44.4	59.8	98.4	74.2	33.1	99.1	103.5	99.7

STATEMENT

Balance Sheets of Electrical Departments of

EUGENIA SYSTEM—Continued

Municipality Population	Shelburne 1,101	Tara 521	Teeswater 838	Wingham 2,470	EUGENIA SYSTEM SUMMARY
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	800.00	.....	.....	8,508.05	49,269.50
Substation equipment	566.60	.....	330.31	4,657.93	29,962.09
Distribution system, overhead	12,993.21	10,261.78	14,059.55	29,767.84	395,989.42
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	3,251.98	1,706.89	2,771.05	11,847.68	106,065.70
Meters	3,599.09	1,221.88	1,895.39	7,952.06	106,631.89
Street light equipment, regular	971.65	430.59	1,297.97	3,064.87	34,115.36
Street light equip., ornamental	.....	.....	.....	.....	500.00
Misc. construction expense	2,189.46	1,871.56	1,727.00	3,600.49	42,941.22
Steam or hydraulic plant	.....	.....	.....	13,200.00	46,482.00
Old plant	739.50	.....	5,000.36	15,288.58	44,970.23
Total plant	25,111.49	15,492.70	27,081.63	97,887.50	856,927.41
Bank and cash balance	396.57	825.03	3.18	814.76	46,925.16
Securities and investments	.....	.....	.....	5,000.00	16,387.83
Accounts receivable	1,939.97	304.58	256.15	4,200.44	35,945.94
Inventories	.....	7.83	31.69	1,986.31	16,484.55
Sinking fund on local debentures	.....	.....	2,706.80	.....	87,959.09
Equity in Hydro systems	2,167.70	.....	.....	.....	62,390.99
Other assets	.....	.....	.....	.....	1,486.77
Total assets	29,615.73	16,630.14	30,079.45	109,889.01	1,124,507.74
Deficit	.....	6,011.37	2,061.39	.....	48,820.86
Total	29,615.73	22,641.51	32,140.84	109,889.01	1,173,328.60
LIABILITIES					
Debenture balance	14,979.34	12,994.96	26,829.89	69,218.40	580,078.16
Accounts payable	121.97	4,846.51	994.49	5,353.17	81,188.11
Bank overdraft	.....	.....	.....	.....	792.35
Other liabilities	.....	.....	.....	.....	1,017.95
Total liabilities	15,101.31	17,841.47	27,824.38	74,571.57	663,076.57
RESERVES					
For depreciation	4,509.55	2,295.00	439.55	5,711.20	110,082.88
For equity in H.E.P.C. systems	2,167.70	.....	.....	.....	62,390.99
Total reserves	6,677.25	2,295.00	439.55	5,711.20	172,473.87
SURPLUS					
Debentures paid	4,940.66	2,505.04	1,170.11	26,887.10	135,378.72
Local sinking fund	.....	.....	2,706.80	.....	87,959.09
Additional operating surplus	2,896.51	.....	.....	2,719.14	114,440.35
Total surplus	7,837.17	2,505.04	3,876.91	29,606.24	337,778.16
Total liabilities, reserves & surplus	29,615.73	22,641.51	32,140.84	109,889.01	1,173,328.60
Percentage of net debt to total assets	55.	107.2	86.6	67.8	62.4

"A"—Continued

Hydro Municipalities as of December 31, 1923

WASDELLS SYSTEM

Beaverton 986	Brechin P. V.	Brock Twp.	Cannington 951	Kirkfield P. V.	Port Perry 1,162	Sunderland P. V.	Uxbridge 1,492
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
250.00	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
9,006.60	1,512.45	1,742.56	8,304.37	5,041.33	14,574.75	3,269.70	10,415.32
.....	.....	.....	.....	.....	.....	.....	.....
2,546.31	936.80	795.70	2,170.88	428.20	1,593.89	1,250.16	2,034.82
3,389.02	412.57	.....	3,093.05	390.60	2,674.78	1,479.96	2,042.73
501.09	86.31	.....	570.42	379.00	384.31	240.33	1,187.43
.....	.....	.....	.....	.....	.....	.....	.....
2,163.77	586.00	61.74	559.63	301.53	158.12	142.22	738.42
.....	.....	.....	.....	.....	.....	.....	.....
3,772.42	.....	.....	3,609.37	.....	.....	2,030.00	.....
21,629.21	3,534.13	2,600.00	18,307.72	6,540.66	19,385.85	8,412.37	16,418.72
5,844.04	699.96	.....	406.24	65.98	1,678.95	1,768.06	.....
.....	.....	.....	.....	.....	2,000.00	.....	3,000.00
2,331.18	281.08	.....	1,680.92	546.00	1,639.17	12.80	1,971.42
755.47	.....	.....	699.71	17.19	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
2,746.67	1,643.98	.....	2,311.81	.....	.....	2,080.68	.....
.....	.....	.....	.....	.....	.....	.....	.....
33,306.57	6,159.15	2,600.00	23,406.40	7,169.83	24,703.97	12,273.91	21,390.14
.....	2,888.21	.....	.....	10.29	.....	1,098.90	.....
33,306.57	9,047.36	2,600.00	23,406.40	7,180.12	24,703.97	13,372.81	21,390.14
12,506.85	2,938.71	2,276.18	12,778.45	5,480.75	20,000.00	5,525.73	16,207.59
200.00	3,342.38	.....	.....	666.12	.....	2,966.01	38
.....	.....	.....	.....	.....	.....	.....	51.09
.....	.....	.....	.....	.....	.....	.....	.....
12,706.85	6,281.09	2,276.18	12,778.45	6,146.87	20,000.00	8,491.74	16,259.06
3,459.00	811.00	.....	3,336.14	514.00	385.00	1,526.12	314.00
2,746.67	1,643.98	.....	2,311.81	.....	.....	2,080.68	.....
6,205.67	2,454.98	.....	5,647.95	514.00	385.00	3,606.80	314.00
2,493.15	311.29	323.82	2,221.55	519.25	.....	1,274.27	.....
.....	.....	.....	.....	.....	.....	.....	.....
11,900.90	.....	.....	2,758.45	.....	4,318.97	.....	4,817.08
14,394.05	311.29	323.82	4,980.00	519.25	4,318.97	1,274.27	4,817.08
33,306.57	9,047.36	2,600.00	23,406.40	7,180.12	24,703.97	13,372.81	21,390.14
41.5	139.1	87.5	60.5	85.7	80.9	83.3	76.0

STATEMENT

Balance Sheets of Electrical Departments of

WASDELLS SYSTEM—Continued			MUSKOKA SYSTEM		
Municipality	Woodville	WASDELLS SYSTEM SUMMARY	Graven-hurst	Hunts-ville	MUSKOKA SYSTEM SUMMARY
Population	455		1,621	2,316	
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	250.00	12,258.29	326.49	12,584.78
Substation equipment	.....	.....	12,365.17	647.30	13,012.47
Distribution system, overhead	2,086.40	55,953.48	27,745.86	11,240.69	38,986.55
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	975.67	12,732.43	1,703.32	3,609.60	5,312.92
Meters	1,367.17	14,849.88	5,340.83	5,460.76	10,801.59
Street light equipment, regular	127.31	3,476.20	695.45	1,036.50	1,731.95
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	251.91	4,963.34	1,762.00	699.92	2,461.92
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	2,182.50	11,594.29	7,610.69	5,436.20	13,046.89
Total plant	6,990.96	103,819.62	69,481.61	28,457.46	97,939.07
Bank and cash balance	1,377.28	11,840.51	1,648.17	9,635.76	11,283.93
Securities and investments	.....	5,000.00	.....	.....	.....
Accounts receivable	878.85	9,341.42	4,362.72	225.94	4,588.66
Inventories	.....	1,472.37	2,596.26	2,369.81	4,966.07
Sinking fund on local debentures	.....	.....	3,474.83	.....	3,474.83
Equity in Hydro systems	2,189.11	10,972.25	2,322.78	6,349.28	8,672.06
Other assets	.....	.....	.....	.....	.....
Total assets	11,436.20	142,446.17	83,886.37	47,038.25	130,924.62
Deficit	.....	3,997.40	2,132.21	.....	2,132.21
Total	11,436.20	146,443.57	86,018.58	47,038.25	133,056.83
LIABILITIES					
Debenture balance	4,647.29	82,361.55	34,207.50	14,685.77	48,893.27
Accounts payable	986.39	8,161.28	4,131.68	1,527.65	5,659.33
Bank overdraft	.....	51.09	.....	.....	.....
Other liabilities	.....	.....	.....	23.58	23.58
Total liabilities	5,633.68	90,573.92	38,339.18	16,237.00	54,576.18
RESERVES					
For depreciation	981.90	11,327.16	12,120.85	4,955.61	17,076.46
For equity in H.E.P.C. systems	2,189.11	10,972.25	2,322.78	6,349.28	8,672.06
Total reserves	3,171.01	22,299.41	14,443.63	11,304.89	25,748.52
SURPLUS					
Debentures paid	852.71	7,996.04	29,760.94	6,447.77	36,208.71
Local sinking fund	.....	.....	3,474.83	.....	3,474.83
Additional operating surplus	1,778.80	25,574.20	.....	13,048.59	13,048.59
Total surplus	2,631.51	33,570.24	33,235.77	19,496.36	52,732.13
Total liabilities, reserves & surplus	11,436.20	146,443.57	86,018.58	47,038.25	133,056.83
Percentage of net debt to total assets	49.2	68.8	47.	39.9	44.6

"A"—Continued

Hydro Municipalities as at December 31, 1923

ST. LAWRENCE SYSTEM

Alexandria 2,319	Apple Hill P. V.	Brockville 9,377	Chesterville 941	Lancaster 612	Martintown P. V.	Maxville 785
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
202.00	169.06	27,994.53	250.00	.....	126.15	.....
.....	.....	.....	.....	.....	.....	407.79
22,593.20	2,707.18	63,205.55	6,322.49	6,054.11	2,437.17	10,869.71
.....	.....	.....	.....	.....	.....	.....
6,202.23	1,165.70	22,172.60	2,037.56	1,064.35	690.33	1,732.20
4,880.32	615.81	29,054.11	2,676.23	1,115.23	533.00	2,194.34
1,990.34	398.97	14,812.96	318.22	567.75	335.26	1,379.56
.....	.....	.....	.....	.....	.....	.....
5,407.05	192.84	5,374.54	610.68	1,053.60	653.27	2,357.66
.....	.....	.....	.....	.....	.....	.....
4,466.89	709.55	56,212.22	.....	.....	.....	.....
45,742.03	5,959.11	218,826.51	12,215.18	9,855.04	4,775.18	18,941.26
561.17	5.02	28,212.40	437.67	88.46	192.88	.....
.....	.....	.....	.....	.....	1,000.00	.....
2,690.89	909.83	31,052.44	2,651.24	359.86	20.08	319.64
157.30	.....	2,893.79	1,384.41	.....	.....	.....
.....	.....	66,319.58	.....	.....	.....	.....
.....	.....	15,183.41	4,954.84	.....	.....	.....
.....	.....	377.22	.....	.....	.....	.....
49,151.39	6,873.96	362,865.35	21,643.34	10,303.36	5,988.14	19,260.90
2,160.56	61.86	.....	.....	5,316.84	171.86	2,759.19
51,311.95	6,935.82	362,865.35	21,643.34	15,620.20	6,160.00	22,020.09
37,639.79	5,720.00	156,889.95	4,817.88	8,845.34	5,480.75	14,546.29
6,244.07	739.82	4,375.28	1,174.94	5,297.78	.....	3,328.05
.....	.....	.....	.....	.....	.....	2,059.04
.....	.....	.....	.....	.....	.....	.....
43,883.86	6,459.82	161,265.23	5,992.82	14,143.12	5,480.75	19,933.38
1,327.79	196.00	15,583.00	3,551.85	352.00	160.00	633.00
.....	.....	15,183.41	4,954.84	.....	.....	.....
1,327.79	196.00	30,766.41	8,506.69	352.00	160.00	633.00
6,100.30	280.00	69,767.59	1,682.12	1,125.08	519.25	1,453.71
.....	.....	66,319.58	.....	.....	.....	.....
.....	.....	34,746.54	5,461.71	.....	.....	.....
6,100.30	280.00	170,833.71	7,143.83	1,125.08	519.25	1,453.71
51,311.95	6,935.82	362,865.35	21,643.34	15,620.20	6,160.00	22,020.09
89.2	93.9	46.3	35.9	137.2	91.5	103.4

STATEMENT

Balance Sheets of Electrical Departments of

ST. LAWRENCE SYSTEM—Continued

Municipality Population	Prescott 2,723	Williams-burg P.V.	Winchester 1,058	ST. LAWRENCE SYSTEM SUMMARY
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings	2,761.54		224.15	31,727.43
Substation equipment				407.79
Distribution system, overhead	28,359.88	1,607.69	7,706.53	151,863.51
Distribution system, underground				
Line transformers	7,448.84	297.89	1,257.57	44,069.27
Meters	10,282.75	650.47	2,944.07	54,946.33
Street light equipment, regular	1,649.64	74.41	564.98	22,092.09
Street light equip., ornamental				
Misc. construction expense	1,352.20	4.00	343.94	17,349.78
Steam or hydraulic plant				
Old plant	12,108.35		1,100.00	74,597.01
Total plant	63,963.20	2,634.46	14,141.24	397,053.21
Bank and cash balance	8,384.00	719.59	8,050.04	46,651.23
Securities and investments				1,000.00
Accounts receivable	10,177.09	770.63	2,325.78	51,277.48
Inventories			1,723.15	6,158.65
Sinking fund on local debentures	3,043.57			69,363.15
Equity in Hydro systems	3,795.10	321.03	2,347.93	26,602.31
Other assets				377.22
Total assets	89,362.96	4,445.71	28,588.14	598,483.25
Deficit				10,470.31
Total	89,362.96	4,445.71	28,588.14	608,953.56
LIABILITIES				
Debenture balance	16,225.66	1,832.86	9,103.85	261,102.37
Accounts payable			773.70	21,933.64
Bank overdraft				2,059.04
Other liabilities				
Total liabilities	16,225.66	1,832.86	9,877.55	285,095.05
RESERVES				
For depreciation	17,764.00	805.00	3,703.82	44,076.46
For equity in H.E.P.C. systems	3,795.10	321.03	2,347.93	26,602.31
Total reserves	21,559.10	1,126.03	6,051.75	70,678.77
SURPLUS				
Debentures paid	7,753.68	917.14	1,546.15	91,145.02
Local sinking fund	3,043.57			69,363.15
Additional operating surplus	40,780.95	569.68	11,112.69	92,671.57
Total surplus	51,578.20	1,486.82	12,658.84	253,179.74
Total liabilities, reserves & surplus	89,362.96	4,445.71	28,588.14	608,953.56
Percentage of net debt to total assets	18.9	44.4	37.6	49.8

"A"—Continued

Hydro Municipalities as at December 31, 1923

RIDEAU SYSTEM						THUNDER BAY SYSTEM
Carleton Place 4,123	Kemptville 1,220	Lanark 575	Perth 3,710	Smiths Falls 6,529	RIDEAU SYSTEM SUMMARY	Port Arthur 15,629
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,688.32	.....	.....	6,600.50	20,488.10	32,776.92	34,424.49
2,471.63	.....	.....	3,492.82	4,845.66	10,810.11	122,419.98
28,032.68	16,013.69	4,775.50	34,494.21	66,574.77	149,890.85	260,720.04
.....	.....	.....	.....	.....	.....	.....
10,303.06	3,183.95	639.33	15,142.27	16,186.34	45,454.95	29,400.98
11,739.18	3,238.43	987.37	15,322.84	22,627.99	53,915.81	55,508.04
782.46	998.18	633.84	2,509.35	1,901.41	6,825.24	30,494.40
.....	.....	.....	.....	.....	.....	.....
8,278.42	5,414.29	276.12	5,187.87	7,687.50	26,844.20	21,875.58
.....	.....	.....	23,395.26	38,251.49	61,646.75	348,096.93
.....	.....	.....	2,674.25	21,473.20	24,147.45	.....
67,295.75	28,848.54	7,312.16	108,819.37	200,036.46	412,312.28	902,940.44
10,430.47	8,243.99	1,851.07	.....	8,792.69	29,318.22	72,275.97
.....	.....	.....	.....	5,000.00	5,000.00	210,393.25
2,094.37	1,495.37	285.66	39,474.94	2,001.48	45,351.82	48,389.81
2,869.81	635.56	.....	7,404.03	2,328.82	13,238.22	25,413.60
.....	.....	.....	.....	.....	.....	139,011.51
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	1,007.82
82,690.40	39,223.46	9,448.89	155,698.34	218,159.45	505,220.54	1,399,432.40
.....	.....	.....	.....	8,579.32	8,579.32	.....
82,690.40	39,223.46	9,448.89	155,698.34	226,738.77	513,799.86	1,399,432.40
62,441.10	23,993.29	7,057.46	102,540.84	165,678.02	361,710.71	446,862.40
3,351.52	2,499.72	21.32	4,607.53	1,984.17	12,464.26	109,709.01
.....	.....	.....	4,733.95	.....	4,733.95	.....
.....	.....	.....	.....	.....	.....	8,348.32
65,792.62	26,493.01	7,078.78	111,882.32	167,662.19	378,908.92	564,919.73
8,353.83	931.00	183.02	12,937.03	27,129.60	49,534.48	148,556.74
.....	.....	.....	.....	.....	.....	.....
8,353.83	931.00	183.02	12,937.03	27,129.60	49,534.48	148,556.74
3,558.90	1,006.71	504.01	5,859.16	31,946.98	42,875.76	189,237.60
.....	.....	.....	.....	.....	.....	139,011.51
4,985.05	10,792.74	1,683.08	25,019.83	.....	42,480.70	357,706.82
8,543.95	11,799.45	2,187.09	30,878.99	31,946.98	85,356.46	685,955.93
82,690.40	39,223.46	9,448.89	155,698.34	226,738.77	513,799.86	1,399,432.40
79.5	67.5	74.9	71.8	73.9	73.7	40.3

STATEMENT

Balance Sheets of Electrical Departments of

	OTTAWA SYSTEM	TRENT SYSTEM			
Municipality	Ottawa	Bloomfield	Havelock	Kingston	Lakefield
Population	112,899	512	1,258	22,234	1,193
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	197,912.77	.....	.....	79,464.58	86.89
Substation equipment	221,197.63	.....	572.90	.....	.....
Distribution system, overhead	480,529.63	6,954.15	17,930.88	110,519.16	17,793.24
Distribution system, underground	238,518.03	.....	.....	55,359.36	.....
Line transformers	193,488.54	1,119.31	2,010.60	37,832 93	2,365.20
Meters	181,500.92	1,548.74	4,331.95	70,871.25	4,431.26
Street light equipment, regular	62,599.15	611.68	1,801.28	12,573.61	1,412.58
Street light equip., ornamental	29,978.05	.....	.....	23,177.44	.....
Misc. construction expense	34,446.06	1,403.42	4,398.98	42,401.72	3,337.14
Steam or hydraulic plant	.....	.....	.....	74,559.59	.....
Old plant	.....	.....	2,465.45	36,548.11	3,445.25
Total plant	1,640,170.78	11,637.30	33,512.04	543,307.75	32,871.56
Bank and cash balance	1,733.79	566.03	1,015.32	30,248.78	2,851.61
Securities and investments	.....	.....	.....	.....	.....
Accounts receivable	54,479.34	551.25	822.75	17,765.34	5,306.91
Inventories	21,605.27	.....	.....	10,846.15	.....
Sinking fund on local debentures	281,648.58	.....	.....	48,986.61	.....
Equity in Hydro systems	.....	.....	.....	.....	.....
Other assets	.....	.....	.....	.....	.....
Total assets	1,999,637.76	12,754.58	35,350.11	651,154.63	41,030.08
Deficit	.....	.....	.....	.....	.....
Total	1,999,637.76	12,754.58	35,350.11	651,154.63	41,030.08
LIABILITIES					
Debenture balance	976,134.49	10,352.64	30,290.12	257,858.72	32,259.21
Accounts payable	20,039.06	125.65	.....	6,697.60	.....
Bank overdraft	29,947.00	.....	.....	.....	.....
Other liabilities	16,951.63	.....	.....	.....	.....
Total liabilities	1,043,072.18	10,478.29	30,290.12	264,556.32	32,259.21
RESERVES					
For depreciation	454,937.87	1,221.00	958.18	28,031.42	1,921.54
For equity in H.E.P.C. systems	.....	.....	.....	.....	.....
Total reserves	454,937.87	1,221.00	958.18	28,031.42	1,921.54
SURPLUS					
Debentures paid	3,865.51	847.36	2,609.88	54,041.27	1,240.79
Local sinking fund	281,648.58	.....	.....	48,986.61	.....
Additional operating surplus	216,113.62	207.93	1,491.93	255,539.01	5,608.54
Total surplus	501,627.71	1,055.29	4,101.81	358,566.89	6,849.33
Total liabilities, reserves & surplus	1,999,637.76	12,754.58	35,350.11	651,154.63	41,030.08
Percentage of net debt to total assets	52.1	82.1	85.6	40.6	78.6

"A"—Continued

Hydro Municipalities as at December 31, 1923

Marmora 792	Norwood 748	Omemee 485	Peterboro 21,439	Picton 3,263	Wark-worth	Welling-ton 840	Whitby
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	47,168.90	1,405.07	.....	200.00	3,187.94
.....	457.53	360.32	35,383.34	989.69	.....	.....	2,461.74
11,802.26	22,375.53	9,317.00	126,759.03	24,949.58	4,811.32	10,676.74	34,450.85
.....	.....	.....	.....	.....	.....	.....	.....
1,488.30	3,684.49	2,359.84	70,462.38	5,173.08	460.61	2,442.93	5,692.63
2,222.38	3,889.76	1,941.05	65,701.67	9,421.20	243.05	3,285.36	8,487.13
1,088.59	1,802.02	436.78	3,540.90	1,518.22	292.74	819.98	3,312.36
.....	.....	.....	26,107.68	.....	.....	.....	.....
2,000.91	3,677.86	1,426.74	56,627.89	3,164.07	579.08	717.28	4,926.47
.....	.....	.....	.....	.....	.....	.....	.....
579.02	2,447.51	.....	17,435.71	3,739.98	3,505.19	2,477.92	1,340.13
19,181.46	38,334.70	15,841.73	449,187.50	50,360.89	9,891.99	20,620.21	63,859.25
3,026.63	2,989.16	662.03	.....	3,890.42	588.66	571.08	2,575.87
.....	.....	.....	.....	15,000.00	.....	.....	.....
619.11	211.18	23.56	15,803.08	12,884.14	.....	416.60	2,073.62
.....	.....	.....	16,153.85	5,025.76	.....	165.25	366.75
.....	.....	.....	46,034.47	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	166.30	.....	.....	.....	.....	.....	.....
22,827.20	41,701.34	16,527.32	527,178.90	87,161.21	10,480.65	21,773.14	68,875.49
.....	.....	.....	.....	.....	51.68	.....	.....
22,827.20	41,701.34	16,527.32	527,178.90	87,161.21	10,532.33	21,773.14	68,875.49
15,838.57	35,767.09	9,935.51	330,000.00	3,074.30	.....	15,968.48	39,642.01
203.55	.....	.....	10,016.25	.....	10,532.33	107.16	4,810.02
.....	.....	.....	17,566.92	.....	.....	.....	.....
.....	157.00	.....	10,348.39	.....	.....	.....	.....
16,042.12	35,924.09	9,935.51	367,931.56	3,074.30	10,532.33	16,075.64	44,452.03
497.15	1,297.00	1,985.51	38,753.33	2,844.99	.....	1,966.00	1,147.00
.....	.....	.....	.....	.....	.....	.....	.....
497.15	1,297.00	1,985.51	38,753.33	2,844.99	.....	1,966.00	1,147.00
1,827.54	1,332.91	2,064.49	.....	2,656.02	.....	1,031.52	16,970.49
.....	.....	.....	46,034.47	.....	.....	.....	.....
4,460.39	3,147.34	2,541.81	74,459.54	78,585.90	.....	2,699.98	6,305.97
6,287.93	4,480.25	4,606.30	120,494.01	81,241.92	.....	3,731.50	23,276.46
22,827.20	41,701.34	16,527.32	527,178.90	87,161.21	10,532.33	21,773.14	68,875.49
70.7	86.1	53.4	69.7	3.5	100.4	73.8	64.5

STATEMENT "A"—Concluded

Balance Sheets of Electrical Departments of Hydro Municipalities as at December 31, 1923

TRENT SYSTEM—Continued

Municipality Population	East Whitby Twp.	West Whitby Twp.	TRENT SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings			131,513.38	4,488,054.93
Substation equipment			40,225.52	6,015,919.75
Distribution system, overhead	704.50	9,207.42	408,251.66	13,135,581.76
Distribution system, underground			55,359.36	1,959,120.41
Line transformers	2,459.31	2,329.96	139,881.57	4,211,655.89
Meters	787.22	1,207.75	178,369.77	4,548,933.73
Street light equipment, regular		721.76	29,932.50	1,061,473.85
Street light equip., ornamental			49,285.12	708,431.22
Misc. construction expense	48.97	33.11	124,743.64	3,681,274.88
Steam or hydraulic plant			74,559.57	566,619.86
Old plant			73,984.27	8,051,496.28
Total plant	4,000.00	13,500.00	1,306,106.38	48,428,562.56
Bank and cash balance			48,985.59	1,276,140.06
Securities and investments			15,000.00	1,153,424.47
Accounts receivable			56,477.54	3,198,769.34
Inventories			32,557.76	1,819,711.62
Sinking fund on local debentures			95,021.08	3,896,261.28
Equity in Hydro systems				2,929,603.94
Other assets			166.30	190,071.63
Total assets	4,000.00	13,500.00	1,554,314.65	62,892,544.90
Deficit			51.68	132,793.70
Total	4,000.00	13,500.00	1,554,366.33	63,025,338.60
LIABILITIES				
Debenture balance	3,386.91	11,431.22	795,804.78	33,056,501.29
Accounts payable			32,492.56	3,708,781.76
Bank overdraft			17,566.92	680,714.59
Other liabilities			10,505.39	1,517,828.47
Total liabilities	3,386.91	11,431.22	856,369.65	38,963,826.11
RESERVES				
For depreciation			80,623.12	7,328,858.69
For equity in H.E.P.C. systems				2,929,603.94
Total reserves			80,623.12	10,258,462.63
SURPLUS				
Debentures paid	613.09	2,068.78	87,304.14	2,852,038.38
Local sinking fund			95,021.08	3,896,261.28
Additional operating surplus			435,048.34	7,054,750.20
Total surplus	613.09	2,068.78	617,373.56	13,803,049.86
Total liabilities, reserves & surplus	4,000.00	13,500.00	1,554,366.33	63,025,338.60
Percentage of net debt to total assets	84.7	84.7	55.1	64.9

HYDRO-ELECTRIC POWER COMMISSION BALANCE SHEETS

being

FINANCIAL STATEMENTS COMBINING

The Hydro-Electric Power Commission of Ontario Plants and Reserves with the Assets, Liabilities, Reserves and Surpluses of Hydro Municipalities Operating under Cost Contracts.

FOR ALL SYSTEMS

December 31, 1923

The Commission submits herewith a statement of the assets, liabilities, reserves and surpluses of all Hydro systems, reflecting the operations of the Hydro-Electric Power Commission of Ontario and the co-operating municipalities since the commencement of operation to December 31, 1923.

Explanation of the Various Columns of the Balance Sheets

Column 1—Gives the names of the municipalities now under contract with the Hydro-Electric Power Commission of Ontario for a supply of electrical energy, and the dates upon which each municipality commenced to receive this supply of power.

Column 2.—Gives the average electrical horsepower delivered to each municipality by the Hydro-Electric Power Commission of Ontario during the year.

ASSETS

Column 3—Shows the cost of the plant of the Hydro-Electric Power Commission as annually adjusted and apportioned to each municipality having a contract with the Commission and receiving power from the systems during the year. The various properties constituting the plant are owned and operated by the Commission. They comprise all generating equipment at Niagara Falls and at other points, also the transformer stations and transmission lines necessary to transform the power and transmit it to the municipalities. The whole plant is administered, operated and maintained by the Hydro-Electric Power Commission for the contracting municipalities by means of revenue derived from the sale, on the basis of COST, of electrical energy to the municipalities and to sundry other customers.

NOTE.—In so far as the Niagara system is concerned the investment in generating plants at Niagara Falls (Queenston Development, Ontario Power Company and the Toronto Power Company) has not as yet been apportioned to the contracting municipalities of the system in such a way as to show the liability or responsibility each is assuming in respect thereto. Up to the present time these properties have been operated in conjunction with the Niagara system,

but as separate units. All expenses of operation, etc., have, however, been taken up in the power costs to the municipalities and other customers.

In the year 1924 these properties will be transferred to the Hydro-Electric Power Commission of Ontario (see the Power Commission and Companies' Transfer Act, 1924) and will become an integral part of the Niagara system, and the investment therein will then be apportioned or adjusted annually to the contracting municipalities in the same manner as now obtains in respect to the transformer stations and transmission lines, thus reflecting the full share of the investment each municipality assumes.

Column 4—Gives the cost of plants within the boundaries of the respective municipalities. These plants are financed, operated and maintained by the municipalities from the revenue derived from the utilities' customers.

Column 5—Shows the bank balance and investment of surplus funds in Government bonds and other authorized securities and investments made by each municipal Hydro-Electric utility.

Column 6—Gives the sinking funds, in respect of local plants on deposit with municipal treasurers; sinking funds in respect of the Commission's plants on deposit with the Commission and invested in provincial securities, also accounts receivable and inventories, together with depreciation and renewals reserves deposited with the Hydro-Electric Power Commission of Ontario for the purpose of renewing its property.

NOTE.—Among other charges, the cost of power to the Commission as charged to municipalities includes an annual levy (after the five-year exemption period according to the Power Commission Act) for sinking fund for the specific purpose of liquidating the Commission's debt to the Provincial Government, and also includes a renewals reserve fund for the replacement of transforming and transmitting equipment. These accumulations represent a municipal equity in present and future plants and therefore the sum of both these funds is reflected as an asset.

Column 7—Totals columns 3, 4, 5 and 6 and shows the total investment of each municipality.

LIABILITIES

Column 8—Gives the municipalities' liability in respect to the Hydro-Electric Power Commission's plants. The total of this column represents the sum invested by the Commission in stations, lines and generating plants (see column 3), which sum is being repaid by the contracting municipalities by deposits to the Commission's sinking fund collected in the cost of power. These sinking funds, in accordance with the Power Commission Act, are invested in provincial securities.

Column 9—Shows the municipal debenture debt in respect of Hydro municipal plants within the municipal boundaries. This debt is created by the issuance of municipal serial or sinking fund debentures, which, in the majority of cases, are redeemable in twenty years.

Column 10—Gives the municipal accounts payable and other liabilities of the municipalities.

Column 11—Gives the total liability of the municipalities in respect of local plants and the Commission's property.

RESERVES

Column 12—Shows the reserves arising from sinking fund payments and municipal debenture retirals in respect of local plants and the Hydro Commission's stations and lines.

NOTE.—The cost of power to the Commission as charged to municipalities includes, amongst other charges, an annual levy (after the five-year exemption period provided for in the Power Commission Act) for sinking fund for the purpose of liquidating the Hydro-Electric Power Commission's debt to the Provincial Government. The total of the sums so paid in accordance with provisions of the Act, are invested in provincial securities.

Column 13—Shows reserve fund provided by the municipalities for renewing local plants and the Commission's property (see column 6).

NOTE.—The cost of power to the Commission as charged to municipalities includes, amongst other charges, an annual levy in respect of a renewals fund for the purpose of renewing development plants, transformer stations and transmission lines.

SURPLUS

Column 14—Shows the sum which municipal Hydro utilities of the Niagara system have accumulated after having met, or having made provision to meet, every expense on account of interest, operation and maintenance, and after meeting all debenture payments, sinking fund, renewal and contingency charges both for local systems and for the provincial Hydro properties at present in operation.

Column 15—Totals reserves and surpluses as given in columns 12, 13 and 14.

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investments in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets or municipalities' investments
							NIAGARA
			$ c.	$ c.	$ c.	$ c.	$ c.
Acton	Jan., 1913	341.2	44,298.68	34,282.35	1,000.00	16,528.41	96,109.44
Agincourt	Nov., 1922	27.6	2,216.73	8,632.83	867.56	350.54	12,067.66
Ailsa Craig	Jan., 1916	110.0	32,976.26	11,649.84	3,564.00	7,648.56	55,838.66
Alvinston	April, 1922	69.2	41,470.85	22,824.60	1,259.07	3,238.76	68,793.28
Aylmer	Mar., 1918	228.8	50,791.13	44,623.37	12,954.35	11,229.49	119,598.34
Ayr	Jan., 1915	84.9	13,305.09	16,693.50	1,726.06	7,567.64	39,292.29
Baden	May, 1912	219.0	29,394.29	10,350.32	6,385.82	12,555.58	58,686.01
Barton Township	 1919	.....	.....	78,271.31	4,928.76	.....	83,200.07
Beachville	Aug., 1912	344.7	40,912.72	14,581.17	8,194.49	14,998.80	78,687.18
Belle River	Dec., 1922	45.7	14,743.55	14,089.90	9.60	3,394.97	32,238.02
Blenheim	Nov., 1915	174.5	36,645.05	30,845.03	893.52	11,942.07	80,325.67
Bolton	Feb., 1915	135.0	40,341.90	21,172.99	1,015.45	12,736.44	75,266.78
Bothwell	Sept., 1915	146.0	32,010.21	8,341.21	6,417.41	13,532.11	60,300.94
Brampton	Nov., 1911	1,215.3	122,202.33	106,260.86	31,059.42	40,010.90	299,533.51
Brantford	Feb., 1914	6,380.1	399,022.88	575,683.36	8,550.68	189,384.79	1,172,641.71
Brigden	Jan., 1918	50.0	27,048.13	10,780.79	1,026.59	5,618.95	44,474.46
Burford	June, 1915	61.7	17,266.17	10,809.38	2,213.96	6,968.81	37,258.32
Burgessville	Nov., 1916	32.8	7,696.72	4,116.31	1,228.62	1,700.03	14,741.68
Calcdonia	Oct., 1912	113.1	10,922.07	13,138.93	1,713.36	3,487.27	29,261.63
Chatham	Feb., 1915	3,181.9	307,153.66	438,020.76	50.00	123,048.58	868,273.00
Chippawa	Sept., 1919	78.5	4,085.67	19,010.11	2,947.02	1,021.22	27,064.02
Clinton	Mar., 1914	266.9	57,076.89	50,816.10	.....	30,485.72	138,378.71
Comber	May, 1915	115.0	27,515.55	10,279.88	520.00	8,306.80	46,622.23
Dashwood	Sept., 1917	47.5	19,468.45	4,356.44	4.68	3,796.72	27,626.29
Delaware	Mar., 1915	16.6	4,174.01	3,554.55	278.17	3,859.82	11,866.55
Dereham Township	Sept., 1919	73.4	11,605.75	25,323.46	1,582.48	5,243.22	43,754.91
Dorchester	Dec., 1914	29.8	5,031.34	9,809.42	2,920.86	1,813.73	19,373.35
Drayton	Mar., 1918	55.9	27,039.58	11,085.96	4,504.46	4,326.71	46,956.71
Dresden	April, 1915	202.8	27,484.34	26,681.10	5,404.94	11,042.93	70,613.31
Drumbo	Dec., 1914	28.3	5,209.17	5,358.18	1,029.05	2,830.68	14,427.08
Dublin	Oct., 1917	29.8	10,216.38	6,657.40	301.30	1,081.22	18,356.30
Dundas	Jan., 1911	1,145.6	61,501.40	108,214.60	9,247.99	33,544.20	212,508.19
Dunnville	June, 1918	348.1	82,316.62	87,755.61	.....	15,091.22	185,163.45
Dutton	Sept., 1915	130.0	19,681.10	12,891.25	1,961.33	9,323.60	43,857.28
Elmira	Nov., 1913	481.6	64,444.27	45,703.87	503.07	21,491.87	132,143.08
Elora	Nov., 1914	280.4	44,974.14	25,409.65	2,375.57	16,723.28	89,482.64
Embro	Jan., 1915	49.5	18,696.02	9,828.37	1,590.66	5,921.92	36,036.97
Etobicoke Township	Aug., 1917	752.0	63,327.28	159,299.19	12,391.12	25,419.28	260,436.87
Exeter	June, 1916	235.0	55,372.29	29,277.92	1,783.00	20,166.88	106,600.09
Fergus	Nov., 1914	274.0	44,607.09	36,160.20	3,387.45	14,742.88	98,897.62
Ford City	Nov., 1922	1,217.6	150,682.52	91,170.52	.....	22,007.35	263,860.39
Forest	Mar., 1917	117.8	35,248.21	43,242.01	4,405.17	15,036.40	97,931.79
Galt	May, 1911	4,318.6	339,420.65	730,526.48	175.00	255,771.04	1,325,893.17
Georgetown	Sept., 1913	655.1	114,076.15	47,659.21	14,063.75	38,681.58	214,480.69
Glencoe	Aug., 1920	80.4	37,236.07	25,768.67	1,219.62	6,261.12	70,485.48
Goderich	Feb., 1914	562.4	155,293.09	116,403.81	4,194.36	64,512.86	340,404.12
Grantham Township	May, 1915	68.8	28,262.87	18,844.58	.....	12,158.12	59,265.57
Granton	July. 1916	50.3	14,774.64	5,289.47	2,852.78	3,202.68	26,119.57
Guelph	Dec., 1910	5,268.4	342,248.14	371,665.71	25,000.00	202,941.37	941,855.22
Hagersville	Sept., 1913	480.5	63,077.31	23,053.90	5,089.83	17,556.35	108,777.39
Hamilton	Feb., 1911	21,283.9	1,620,332.99	2390,669.54	52,095.12	981,232.74	5,044,330.39
Harriston	July, 1916	214.0	53,157.40	21,410.85	2,250.67	12,456.21	89,275.13
Hensall	Jan., 1917	56.2	22,618.57	13,216.84	2,639.48	6,658.75	45,133.64
Hespeler	Feb., 1911	527.7	52,808.51	63,600.01	1,176.11	20,182.06	137,766.69
Highgate	Dec., 1916	60.3	16,217.42	7,446.30	2,668.78	4,343.68	30,676.18
Ingersoll	May, 1911	1,051.0	92,672.02	137,128.87	22,632.40	89,687.14	342,120.43
Kitchener	Jan., 1911	8,896.9	679,572.53	682,135.04	23,649.06	258,502.45	1,643,859.08
Lambeth	April, 1915	45.2	11,365.41	7,662.88	110.32	4,070.39	23,209.00
Listowel	June, 1916	416.9	73,449.73	65,981.97	2,277.52	19,213.65	160,922.87
London	Jan., 1911	17,931.9	1,296,454.84	1981,840.35	1,546.67	1062,191.47	4,342,033.33

*Denotes deficit.

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid, sinking fund and other reserves	Plant renewal reserves	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
44,298.68	5,247.71	1,143.03	50,689.42	14,223.45	13,329.72	17,866.85	45,420.02
2,216.73	7,770.91	.....	9,987.64	350.98	199.55	1,529.49	2,080.02
32,976.26	3,490.24	154.74	36,621.24	2,944.40	7,893.06	8,379.96	19,217.42
41,470.85	22,392.91	49.64	63,913.40	1,350.71	1,223.77	2,305.40	4,879.88
50,791.13	30,389.17	60.00	81,240.30	9,746.89	10,753.22	17,857.93	38,358.04
13,305.09	6,732.62	.....	20,037.71	7,309.11	6,841.18	5,104.29	19,254.58
29,394.29	3,802.11	782.86	33,979.26	5,921.11	10,324.76	8,460.88	24,706.75
.....	44,619.28	26,950.13	71,569.41	8,803.38	2,484.00	343.28	11,630.66
40,912.72	4,096.50	84.50	45,093.72	6,628.98	12,300.46	14,664.02	33,593.46
14,743.55	8,500.00	1,247.86	24,491.41	81.54	438.19	7,226.88	7,746.61
36,645.05	12,247.31	1,482.97	50,375.33	5,065.21	13,211.56	11,673.57	29,950.34
40,341.90	10,330.78	7,620.20	58,292.88	5,172.97	14,471.31	*2,670.38	16,973.90
32,010.21	4,374.03	1,057.01	37,441.25	4,316.91	10,502.56	8,040.22	22,859.69
122,202.33	45,097.70	870.76	168,170.79	41,670.58	55,263.51	34,428.63	131,362.72
399,022.88	389,250.00	53,766.14	842,039.02	147,160.24	135,636.02	47,806.43	330,602.69
27,048.13	3,051.49	2,000.04	32,099.66	5,786.83	5,345.34	1,242.63	12,374.80
17,266.17	7,325.71	23.48	24,615.36	2,933.88	5,735.27	3,973.81	12,642.96
7,696.72	2,557.47	194.40	10,448.59	1,323.14	2,021.95	948.00	4,293.09
10,922.07	3,655.53	.46	14,578.06	2,450.53	4,894.00	7,339.04	14,683.57
307,153.66	241,149.26	90,910.09	639,213.01	52,151.20	93,586.78	83,322.01	229,059.99
4,085.67	12,144.81	1,564.97	17,795.45	1,850.22	1,619.94	5,798.41	9,268.57
57,076.89	40,500.00	900.77	98,477.66	13,661.30	20,405.90	5,833.85	39,901.05
27,515.55	5,553.37	59.23	33,128.15	3,904.67	7,120.02	2,469.39	13,494.08
19,468.45	3,012.08	.31	22,480.84	1,020.53	3,893.96	230.96	5,145.45
4,174.01	3,336.01	430.62	7,940.64	991.47	1,675.45	1,258.99	3,925.91
11,605.75	19,260.24	5,812.70	36,678.69	5,238.45	7,408.98	*5,571.21	7,076.22
5,031.34	3,682.01	102.31	8,815.66	1,135.93	2,926.92	6,696.84	10,759.69
27,039.58	8,661.80	.....	35,701.38	1,215.76	5,377.66	4,661.91	11,255.33
27,484.34	10,224.99	.....	37,709.33	8,690.39	11,006.97	13,206.62	32,903.98
5,209.17	3,753.13	40.47	9,002.77	1,334.35	2,740.25	1,349.71	5,424.31
10,216.38	4,850.43	1,031.88	16,098.69	1,567.16	2,042.63	*1,452.18	2,157.61
61,501.40	42,548.69	3,265.93	107,316.02	26,059.06	40,512.07	38,621.04	105,192.17
82,316.62	59,181.15	5,149.20	146,646.97	8,443.21	19,678.08	10,395.19	38,516.48
19,681.10	7,415.50	13.25	27,109.85	2,845.98	7,174.36	6,727.09	16,747.43
64,444.27	16,665.54	141.00	81,250.81	9,675.98	18,382.54	22,833.75	50,892.27
44,974.14	9,630.57	.....	54,604.71	8,031.83	14,378.47	12,467.63	34,877.93
18,696.02	6,608.08	1,112.67	26,416.77	2,618.77	6,967.80	33.63	9,620.20
63,327.28	107,168.88	2,204.69	172,700.85	20,696.71	30,261.22	36,778.09	87,736.02
55,372.29	15,998.48	79.68	71,450.45	8,903.28	13,883.56	12,362.80	35,149.64
44,607.09	27,513.62	158.79	72,279.50	6,372.51	14,206.68	6,038.93	26,618.12
150,682.52	87,287.37	4,776.66	242,746.55	6,602.42	6,384.23	8,127.19	21,113.84
35,248.21	22,653.98	527.20	58,429.39	13,217.94	12,504.80	13,779.66	39,502.40
339,420.65	506,681.69	100,986.53	947,088.87	153,804.81	140,994.12	84,005.37	378,804.30
114,076.15	16,665.53	.....	130,741.68	15,279.13	36,477.78	31,982.10	83,739.01
37,236.07	18,477.45	16.90	55,730.42	3,834.14	3,779.38	7,141.54	14,755.06
155,293.09	37,553.45	21,781.03	214,627.57	36,858.70	64,848.11	24,069.74	125,776.55
28,262.87	10,564.11	7,781.74	46,608.72	8,189.67	3,642.11	825.07	12,656.85
14,774.64	3,061.82	653.01	18,489.47	1,210.35	3,392.19	3,027.56	7,630.10
342,248.14	90,147.59	52,915.79	485,311.52	138,914.13	123,903.60	191,725.97	456,543.70
63,077.31	6,197.15	.....	69,274.46	8,187.57	10,871.53	20,443.83	39,502.93
1,620,332.99	1,711,972.66	496,814.83	3,829,120.48	550,203.96	535,568.78	129,437.17	1,215,209.91
53,157.40	13,806.64	117.76	67,081.80	7,409.17	12,397.82	2,386.34	22,193.33
22,618.57	10,620.34	1,180.84	34,419.75	3,052.92	7,156.95	504.02	10,713.89
52,808.51	27,015.56	4,946.50	84,770.57	28,422.80	14,292.96	10,280.36	52,996.12
16,217.42	4,387.25	.....	20,604.67	1,605.99	4,219.98	4,245.54	10,071.51
92,672.02	79,800.00	12,257.01	184,729.03	48,438.26	49,054.35	59,898.79	157,391.40
679,572.53	254,003.55	108,553.09	1,042,129.17	234,868.41	220,941.28	145,920.22	601,729.91
11,365.41	3,499.24	111.00	14,975.65	1,195.10	3,466.86	3,571.39	8,233.35
73,449.73	29,479.25	7,436.59	110,365.57	18,512.06	20,686.45	11,358.79	50,557.30
1,296,454.84	1,204,175.38	356,740.35	2,857,370.57	488,648.06	596,366.86	399,647.84	1,484,662.76

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investments in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets or municipalities' investments
							NIAGARA
			$ c.	$ c.	$ c.	$ c.	$ c.
London Township	Sept., 1917	.....	.....	9,496.07	3,500.17	2,153.88	15,150.12
Lucan	Feb., 1915	124.3	21,237.33	16,810.59	9,755.48	8,613.18	56,416.58
Lynden	Nov., 1915	107.9	24,896.54	5,413.07	1,313.61	7,648.38	39,271.60
Markham	April, 1920	80.8	33,294.28	17,759.03	2,787.04	2,348.99	56,189.34
Merlin	Dec., 1922	99.2	26,510.53	12,472.63	1,412.26	2,091.95	42,487.37
Merritton	Nov., 1920	335.3	1,556.31	30,600.17	2,932.87	2,047.57	37,136.92
Milton	April, 1913	1,033.7	116,753.15	41,717.51	13,071.15	39,173.25	210,715.06
Milverton	June, 1916	364.0	54,027.38	18,647.55	75.62	16,038.05	88,788.60
Mimico	May, 1912	827.1	77,387.35	91,365.54	8,212.24	15,539.48	192,504.61
Mitchell	Sept., 1911	269.2	38,045.21	57,770.69	4,269.64	20,252.40	120,337.94
Moorefield	Mar., 1918	33.5	14,392.46	4,750.24	939.94	2,073.08	22,155.72
Mount Brydges	Mar., 1915	30.8	7,744.54	6,003.15	2,183.19	4,954.37	20,885.25
Newbury	Mar., 1921	27.3	9,402.81	9,169.57	120.84	1,965.88	20,659.10
New Hamburg	Mar., 1911	310.2	42,349.11	34,912.79	905.95	24,379.94	102,547.79
New Toronto	Feb., 1914	2,545.8	232,274.27	72,409.76	2,220.49	79,904.05	386,808.57
Niagara Falls	Dec., 1915	4,895.7	36,541.78	577,937.01	600.00	92,425.09	707,503.88
Niagara-on-the-Lake	Aug., 1919	208.0	8,437.61	25,148.41	462.86	2,753.76	36,802.64
Norwich	May, 1912	306.0	42,276.81	27,433.60	8,285.12	21,136.87	99,132.40
Norwich, North Twp.	Nov., 1913	.....	.....	5,937.64	88.36	.....	6,026.00
Norwich, South Twp.	Jan., 1917	.....	.....	5,218.96	.....	.....	5,218.96
Oil Springs	Feb., 1918	267.4	42,239.90	21,857.19	2,036.06	10,946.88	77,080.03
Otterville	Feb., 1916	42.3	9,955.54	7,247.38	3,762.46	2,187.97	23,153.35
Palmerston	July, 1916	226.4	44,125.92	33,244.97	1,322.53	23,617.03	102,310.45
Paris	Feb., 1914	991.8	70,063.64	132,037.32	3,024.21	47,556.97	252,682.14
Parkhill	May, 1920	72.0	37,396.42	20,453.19	3,368.12	3,518.18	64,735.91
Petrolia	May, 1916	763.7	120,530.92	74,896.36	4,000.00	37,680.25	237,107.53
Plattsville	Dec., 1914	30.6	13,821.06	5,850.64	.....	7,995.56	27,667.26
Point Edward	 1917	144.9	19,256.71	16,643.19	.....	11,038.67	46,938.57
Port Colborne	Mar., 1920	469.1	2,177.14	76,399.91	197.46	12,595.23	91,369.74
Port Credit	Aug., 1912	175.2	20,065.49	23,545.80	2,600.00	5,143.43	51,354.72
Port Dalhousie	Nov., 1912	180.6	5,785.42	29,678.98	428.20	6,157.23	42,049.83
Port Dover	Dec., 1921	82.8	22,452.30	31,358.84	.....	863.47	54,674.61
Port Stanley	Apr., 1912	205.9	40,105.77	32,483.47	4,375.15	19,396.79	96,361.18
Preston	Jan., 1911	2,020.9	150,572.66	193,102.11	.....	62,638.66	406,313.43
Princeton	Jan., 1915	22.2	9,412.36	4,144.40	87.84	3,337.73	16,982.33
Queenston	Mar., 1921	42.6	1,125.37	10,824.58	738.76	406.12	13,094.83
Ridgetown	Dec., 1915	249.7	45,282.38	33,562.89	17,559.08	16,817.67	113,222.02
Riverside	Nov., 1922	215.8	33,539.72	49,191.88	.....	5,173.94	87,905.54
Rockwood	Sept., 1913	61.1	15,253.61	9,541.62	62.34	5,713.70	30,571.27
Rodney	Feb., 1917	58.6	13,393.36	12,456.08	5,340.48	4,245.57	35,435.49
St. Catharines	....	5,092.7	42,169.60	459,115.11	484.40	72,971.01	574,740.12
St. Clair Beach	Nov., 1922	32.4	5,423.85	7,482.15	.....	1,646.19	14,552.19
St. George	Sept., 1915	74.5	15,543.22	7,033.05	7,324.31	4,874.96	34,775.54
St. Jacobs	Sept., 1917	41.5	7,498.37	8,491.27	3,010.47	2,374.29	21,374.40
St. Marys	May, 1911	742.8	91,256.71	122,792.51	1,109.10	58,642.08	273,800.40
St. Thomas	April, 1911	3,328.9	271,848.79	340,275.55	21,068.09	181,424.52	814,616.95
Sarnia	Dec., 1916	3,798.2	504,767.82	521,690.86	10,255.11	135,855.72	1,172,569.51
Scarboro Township	Aug., 1918	510.8	11,725.67	195,778.11	5,567.48	13,901.48	226,972.74
Seaforth	Nov., 1911	411.3	69,796.36	48,821.70	7,056.03	53,151.22	178,825.31
Simcoe	Aug., 1915	422.3	45,983.62	60,570.14	6,000.00	11,902.85	124,456.61
Springfield	Aug., 1917	25.0	10,220.32	7,077.33	1,147.97	1,755.92	20,201.54
Stamford Township	Nov., 1916	610.5	9,918.48	118,556.58	1,941.48	14,952.46	145,369.00
Stouffville	Sept., 1923	6.6	22,417.85	16,290.49	506.82	35.36	39,250.52
Stratford	Jan., 1911	4,301.3	422,517.33	499,700.24	3,000.00	264,626.96	1,189,844.53
Strathroy	Dec., 1914	496.2	87,003.83	81,964.30	1,502.37	40,110.66	210,581.16
Sutton	Aug., 1923	7.8	5,311.79	20,089.73	351.19	563.17	26,315.88
Tavistock	Nov., 1916	170.2	37,724.10	16,708.37	10,456.41	10,173.27	75,062.15
Tecumseh	Nov., 1922	91.7	14,223.23	28,837.64	.....	2,291.92	45,352.79
Thamesford	Feb., 1914	93.7	20,722.12	9,332.79	3,748.39	7,401.92	41,205.22
Thamesville	Oct., 1915	82.6	16,216.87	16,565.42	7,220.63	6,458.25	46,461.17

*Denotes deficit.

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923—Continued

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid, sinking fund and other reserves	Plant renewal reserve	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	12,608.10	.....	12,608.10	891.90	1,500.00	150.12	2,542.02
21,237.33	8,370.00	330.56	29,937.89	5,379.58	9,468.81	11,630.30	26,478.69
24,896.54	3,892.05	.....	28,788.59	2,741.07	6,310.41	1,431.53	10,483.01
33,294.28	9,222.22	460.24	42,976.74	2,821.45	2,860.28	7,530.87	13,212.60
26,510.53	8,273.80	4,444.57	39,228.90	408.19	295.65	2,554.63	3,258.47
1,556.31	3,474.06	703.66	5,734.03	3,445.72	2,146.24	25,810.93	31,402.89
116,753.15	11,385.12	15,857.59	143,995.86	25,572.81	29,840.47	11,305.92	66,719.20
54,027.38	6,850.83	3,633.37	64,511.58	6,347.66	9,909.35	8,020.01	24,277.02
77,387.35	38,170.34	27,625.22	143,182.91	14,942.97	22,925.75	11,452.98	49,321.70
38,045.21	5,125.97	496.23	43,667.41	23,095.94	27,887.53	25,687.06	76,670.53
14,392.46	3,629.03	.....	18,021.49	1,092.42	2,418.61	623.20	4,134.23
7,744.54	3,564.10	.....	11,308.64	1,551.08	4,050.37	3,975.16	9,576.61
9,402.81	8,400.00	.....	17,802.81	1,501.60	696.98	657.71	2,856.29
42,349.11	13,201.13	.....	55,550.24	10,955.11	21,710.55	14,331.89	46,997.55
232,274.27	6,485.55	3,062.72	241,822.54	34,203.37	47,695.94	63,086.72	144,986.03
36,541.78	309,068.66	93,552.61	439,163.05	151,577.64	46,410.55	70,352.64	268,340.83
8,437.61	6,600.77	461.50	15,499.88	5,555.14	2,587.13	13,160.49	21,302.76
42,276.81	10,608.60	.....	52,885.41	8,814.04	19,984.53	17,448.42	46,246.99
.....	4,897.26	.....	4,897.26	1,128.74	.....	.....	1,128.74
.....	4,140.84	.....	4,140.84	1,078.12	.....	.....	1,078.12
42,239.90	13,747.08	3,482.35	59,469.33	4,418.58	5,881.61	7,310.51	17,610.70
9,955.54	3,289.24	.....	13,244.78	1,684.37	2,775.34	5,448.86	9,908.57
44,125.92	11,536.33	535.21	56,197.46	18,058.93	11,479.35	16,574.71	46,112.99
70,063.64	55,645.12	.....	125,708.76	70,487.27	40,346.79	16,139.32	126,973.38
37,396.42	13,118.97	.....	50,515.39	1,927.75	3,656.45	8,636.32	14,220.52
120,530.92	41,879.81	1,177.28	163,588.01	15,785.65	27,853.86	29,880.01	73,519.52
13,821.06	4,367.83	1,320.51	19,509.40	3,064.40	7,297.34	*2,203.88	8,157.86
19,256.71	5,116.72	8,872.83	33,246.26	3,354.81	6,458.18	3,879.32	13,692.31
2,177.14	60,346.69	7,795.83	70,319.66	9,352.05	4,279.91	7,418.12	21,050.08
20,065.49	5,702.94	1,801.18	27,569.61	4,857.59	7,774.90	11,152.62	23,785.11
5,785.42	18,754.22	2,141.85	26,681.49	6,086.43	4,430.00	4,851.91	15,368.34
22,452.30	19,182.58	6,465.96	48,100.84	2,169.09	1,679.72	2,724.96	6,573.77
40,105.77	14,065.07	.....	54,170.84	10,741.98	21,135.72	10,312.64	42,190.34
150,572.66	51,086.28	44,901.18	246,560.12	70,093.76	68,977.56	20,681.99	159,753.31
9,412.36	2,960.81	389.24	12,762.41	1,416.39	3,133.38	*329.85	4,219.92
1,125.37	7,551.99	2,095.55	10,772.91	674.72	380.82	1,266.38	2,321.92
45,282.38	12,762.00	1,365.35	59,409.73	10,394.47	13,907.73	29,510.09	53,812.29
33,539.72	40,930.77	4,300.56	78,771.05	2,650.88	2,410.49	4,073.12	9,134.49
15,253.61	.....	25.90	15,279.51	3,570.55	6,363.77	5,357.44	15,291.76
13,393.36	7,529.97	327.50	21,250.83	1,685.45	4,331.52	8,167.69	14,184.66
42,169.60	206,400.52	51,566.02	300,136.14	81,916.42	75,044.00	117,643.56	274,603.98
5,423.85	6,171.80	2,069.50	13,665.15	331.30	207.11	348.63	887.04
15,543.22	5,067.59	13.85	20,624.66	2,241.80	4,569.63	7,339.45	14,150.88
7,498.37	4,814.59	1,000.00	13,312.96	1,675.47	2,296.08	4,089.89	8,061.44
91,256.71	49,563.97	1,142.97	141,963.65	63,047.39	58,782.07	10,007.29	131,836.75
271,848.79	80,964.38	22,168.66	374,981.83	112,669.17	139,984.50	186,981.45	439,635.12
504,767.82	248,408.61	46,877.33	800,053.76	83,662.31	128,281.62	160,571.82	372,515.75
11,725.67	108,167.54	60,764.91	180,658.12	10,581.21	11,788.11	23,945.30	46,314.62
69,796.36	25,000.00	3.00	94,799.36	20,301.30	41,159.42	22,565.23	84,025.95
45,983.62	33,784.12	6,891.73	86,659.47	4,994.82	16,339.66	16,462.66	37,797.14
10,220.32	1,763.29	408.36	12,391.97	3,431.45	1,561.18	2,816.94	7,809.57
9,918.48	95,298.26	1,620.66	106,837.40	11,486.16	11,505.93	15,539.51	38,531.60
22,417.85	15,740.27	827.14	38,985.26	11.78	23.58	229.90	265.26
422,517.33	362,000.00	70,747.41	855,264.74	161,511.71	151,702.80	21,365.28	334,579.79
87,003.83	33,203.45	1,907.66	122,114.94	21,582.44	30,583.74	36,300.04	88,466.22
5,311.79	.....	21,143.58	26,455.37	13.92	44.32	*197.73	*139.49
37,724.10	5,264.69	2,606.45	45,595.24	3,757.22	9,140.52	16,569.17	29,466.91
14,223.23	24,850.97	4,121.90	43,196.10	1,641.30	1,380.62	*865.23	2,156.69
20,722.12	3,920.89	16.28	24,659.29	3,566.93	7,423.63	5,555.37	16,545.93
16,216.87	8,761.38	12.96	24,991.21	3,974.25	6,840.08	10,655.63	21,469.96

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investments in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets or municipalities' investments
							NIAGARA
			$ c.	$ c.	$ c.	$ c.	$ c.
Thedford	May, 1922	43.6	27,934.43	13,021.31	3,253.49	2,279.88	46,489.11
Thorold	Mar., 1914	570.6	2,648.43	67,280.01	1,210.51	7,149.76	78,288.71
Tl orndale	Mar., 1914	38.8	14,585.91	5,273.92	835.85	6,188.38	26,884.06
Tilbury	April, 1915	237.0	35,698.57	23,184.72	5,416.67	12,063.28	76,363.24
Tillsonburg	Aug., 1911	446.2	66,582.81	69,038.11	13,765.21	48,286.36	197,672.49
Toronto	June, 1911	151,766.0	5,621,573.84	24,399,652 17	1,115,122.44	6,291,763.74	37,428,112.19
Toronto Twp.	Aug., 1913	480.0	43,683.55	137,959.32	8,693.83	11,650.94	201,987.64
Townsend Twp.	Dec., 1915	.....	.....	2,526.08	.....	524.34	3,050.42
Vaughan Twp.	Sept., 1916	.....	.....	10,220.73	377.33	4,292.13	14,890.19
Walkerville	Nov., 1914	4,783.4	585,172.33	452,308.32	50.00	339,997.87	1,377,528.52
Wallaceburg	Feb., 1915	921.7	127,649.48	96,331.03	28,001.64	64,692.41	316,674.56
Wardsville	June, 1921	12.1	6,683.17	6,785.72	1,788.91	370.84	15,628.64
Waterdown	Nov., 1911	139.2	19,550.73	17,061.51	5,517.27	8,856.18	50,985.69
Waterford	April, 1915	196.8	22,955.40	19,405.07	4,824.61	6,775.24	53,960.32
Waterloo	Dec., 1910	1,722.1	135,784.43	200,327.21	.....	66,333.26	402,444.90
Waterloo Twp.	April, 1913	.....	.....	1,738.88	.....	681.23	2,420.11
Watford	Sept., 1917	85.7	27,893.10	18,963.33	2,678.14	8,523.39	58,057.96
Welland	Sept., 1917	1,932.8	86,602.28	269,880.22	100.00	149,995.55	506,578.05
Wellesley	Nov., 1916	135.7	30,500.51	9,041.43	2,861.18	6,567.47	48,970.59
West Lorne	Jan., 1917	209.8	35,283.49	13,391.06	9,921.12	4,870.11	63,465.78
Weston	Jan., 1911	1,784.2	146,181.30	111,977.53	1,844.08	52,845.08	312,847.99
Windsor	Oct., 1914	10,114.7	1,230,444.60	1,702,970.15	275.00	650,657.11	3,584,346.86
Woodbridge	Dec., 1914	237.5	31,079.91	15,599.41	6,160.63	9,597.61	62,437.56
Woodstock	Jan., 1911	2,593.0	173,131.97	285,767.93	447.65	99,359.55	558,707.10
Wyoming	Nov., 1916	40.4	12,237.57	10,190.12	952.08	4,127.10	27,506.87
York Twp.	Jan., 1913	.....	.....	.....	.....	.....	.....
Zurich	Sept., 1917	53.6	26,019.05	7,138.40	5,766.35	5,156.28	44,080.08
RURAL POWER DISTRICTS							
Aylmer	Nov., 1920	6.7	5,349.88	.....	.....	964.33	6,314.21
Baden	.....	21.8	12,093.66	.....	.....	1,004.19	13,097.85
Beamsville	Jan., 1923	72.4	72,018.31	.....	.....	3,636.12	75,654.43
Belle River	Dec., 1922	39.6	28,757.87	.....	.....	2,794.87	31,552.74
Brant	Oct., 1914	38 8	19,939.28	.....	.....	3,440.40	23,379.68
Chatham	May, 1922	43.8	32,882.22	.....	.....	4,971.57	37,853.79
Chippawa	July, 1922	55.3	20,724.85	.....	.....	1,140.63	21,865.48
Delaware	Oct., 1922	15.2	27,473.88	.....	.....	1,685.49	29,159.37
Dorchester	Dec., 1921	77.1	57,374.89	.....	.....	10,343.00	67,717.89
Drumbo	Aug., 1922	16.8	14,655.69	.....	.....	1,873.39	16,529.08
Dundas	Jan., 1921	30.0	18,053.52	.....	.....	2,957.63	21,011.15
Exeter	Nov., 1922	36.3	22,760.73	.....	.....	2,644.23	25,404.96
Galt	Oct., 1922	15.0	5,278.59	.....	.....	542.18	5,820.77
Homer	Nov., 1922	.....	3,938.41	.....	.....	559.42	4,497.83
Ingersoll	Oct., 1914	2.4	712.81	.....	.....	818.06	1,530.87
Jordan	May, 1922	5.0	18,313.29	.....	.....	932.85	19,246.14
London	May, 1922	10.5	15,303.03	.....	.....	880.96	16,183.99
Lynden	Feb., 1922	10.0	9,402.02	.....	.....	1,234.19	10,636.21
Markham	Dec., 1922	18.1	14,977.41	.....	.....	2,542.91	17,520.32
Niagara	Jan., 1922	26.9	7,978.37	.....	.....	2,943.59	10,921.96
Petrolia	Aug., 1923	.7	2,234.92	.....	.....	71.05	2,305.97
Preston	April, 1922	98.5	47,660.28	.....	.....	10,947.15	58,607.43
Ridgetown	Mar., 1922	28.7	31,285.24	.....	.....	6,939.18	38,224.42
St. Jacobs	Nov., 1922	12.9	7,878.54	.....	.....	885.08	8,763.62
St. Thomas	Aug., 1923	5.0	35,877.98	.....	.....	127.69	36,005.67
Saltfleet	Feb., 1922	177.1	114,932.03	.....	.....	11;427.36	126,359.39
Sandwich	July, 1922	25.6	14,798.19	.....	.....	2,062.20	16,860.39
Sarnia	June, 1923	9.2	15,418.47	.....	.....	761.02	16,179.49
Simcoe	Nov., 1922	10.3	5,423.85	.....	.....	435.90	5,859.75
Stamford	Mar., 1922	29.0	11,773.32	.....	.....	2,482.45	14,255.77

*Denotes deficit.

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923—Continued

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid, sinking fund and other reserves	Plant renewal reserves	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
27,934.43	15,575.99	7.29	43,517.71	1,055.15	713.42	1,202.83	2,971.40
2,648.43	4,620.66	2,132.47	9,401.56	2,201.71	19,675.51	47,009.93	68,887.15
14,585.91	2,327.41	1,589.01	18,502.33	2,926.66	5,186.38	268.69	8,381.73
35,698.57	11,553.50	889.87	48,141.94	5,339.35	10,376.54	12,505.41	28,221.30
66,582.81	26,774.43	794.94	94,152.18	27,599.43	44,258.91	31,661.97	103,520.31
5,621,573.84	19,389,014.11	2,470,022.56	27,480,610.51	4,004,795.91	4,153,507.64	1,789,198.13	9,947,501.68
43,683.55	72,019.26	6,370.37	122,073.18	10,606.07	31,939.98	37,368.41	79,914.46
.....	2,201.57	.....	2,201.57	848.85	.....	.....	848.85
.....	6,826.82	2,824.37	9,651.19	3,641.17	3,403.62	*1,805.79	5,239.00
585,172.33	259,364.71	127,056.45	971,593.49	116,415.66	173,947.73	115,571.64	405,935.03
127,649.48	63,328.75	6,660.35	197,638.58	20,435.29	41,755.93	56,844.76	119,035.98
6,683.17	7,114.39	1.22	13,798.78	512.29	467.98	849.59	1,829.86
19,550.73	4,079.24	421.88	24,051.85	7,051.53	14,012.70	5,869.61	26,933.84
22,955.40	.....	73.92	23,029.32	9,973.97	7,631.50	13,325.53	30,931.00
135,784.43	89,223.12	10,494.60	235,502.15	43,204.51	72,835.35	50,902.89	166,942.75
.....	.....	1,738.88	1,738.88	681.23	.....	.....	681.23
27,893.10	7,211.91	.....	35,105.01	3,157.48	8,208.11	11,587.36	22,952.95
86,602.28	197,959.99	109,184.77	393,747.04	56,044.79	82,631.44	*25,845.22	112,831.01
30,500.51	5,788.65	.....	36,289.16	3,608.26	6,581.82	2,491.35	12,681.43
35,283.49	7,150.62	1,467.84	43,901.95	2,418.34	4,877.12	12,268.37	19,563.83
146,181.30	36,765.47	10,602.42	193,549.19	29,126.14	46,371.17	43,801.49	119,298.80
1,230,444.60	1,055,834.52	539,143.08	2,825,422.20	222,580.26	250,364.21	285,980.19	759,924.66
31,079.91	7,359.21	999.92	39,439.04	4,102.33	8,539.04	10,357.15	22,998.52
173,131.97	87,385.63	1,937.25	262,454.85	95,017.38	91,206.18	110,028.69	296,252.25
12,237.57	7,478.33	1,483.90	21,199.80	3,078.76	4,026.01	*797.70	6,307.07
.....	.....	.....	.....	.....	.....	.....	.....
26,019.05	5,131.30	.....	31,150.35	1,048.93	5,487.63	6,393.17	12,929.73
5,349.88	.....	1,807.67	7,157.55	572.03	392.30	*1,807.67	*843.34
12,093.66	.....	585.15	12,678.81	510.31	493.88	*585.15	419.04
72,018.31	.....	.....	72,018.31	1,016.06	885.35	1,734.71	3,636.12
28,757.87	.....	.....	28,757.87	470.62	358.30	1,965.95	2,794.87
19,939.28	.....	.....	19,939.28	586.74	693.29	2,160.37	3,440.40
32,882.22	.....	.....	32,882.22	1,046.96	912.58	3,012.03	4,971.57
20,724.85	.....	701.63	21,426.48	574.00	566.63	*701.63	439.00
27,473.88	.....	.....	27,473.88	309.52	285.44	1,090.53	1,685.49
57,374.89	.....	.....	57,374.89	1,693.43	1,598.25	7,051.32	10,343.00
14,655.69	.....	.....	14,655.69	362.44	331.15	1,179.80	1,873.39
18,053.52	.....	.....	18,053.52	794.51	1,177.47	985.65	2,957.63
22,760.73	.....	.....	22,760.73	451.42	366.46	1,826.35	2,644.23
5,278.59	.....	.....	5,278.59	116.15	90.22	335.81	542.18
3,938.41	.....	.....	3,938.41	75.91	72.49	411.02	559.42
712.81	.....	.....	712.81	177.43	365.77	274.86	818.06
18,313.29	.....	.....	18,313.29	263.81	277.89	391.15	932.85
15,303.03	.....	.....	15,303.03	136.78	125.06	619.12	880.96
9,402.02	.....	.....	9,402.02	320.61	281.65	631.93	1,234.19
14,977.41	.....	.....	14,977.41	277.24	260.31	2,005.36	2,542.91
7,978.37	.....	.....	7,978.37	363.25	368.29	2,212.05	2,943.59
2,234.92	.....	.....	2,234.92	13.84	12.55	44.66	71.05
47,660.28	.....	.....	47,660.28	1,965.26	1,747.79	7,234.10	10,947.15
31,285.24	.....	.....	31,285.24	824.32	820.38	5,294.48	6,939.18
7,878.54	.....	.....	7,878.54	154.88	129.71	600.49	885.08
35,877.98	.....	88.18	35,966.16	69.21	58.48	*88.18	39.51
114,932.03	.....	.....	114,932.03	3,443.87	3,556.59	4,426.90	11,427.36
14,798.19	.....	.....	14,798.19	269.83	208.81	1,583.56	2,062.20
15,418.47	.....	.....	15,418.47	94.52	77.85	588.65	761.02
5,423.85	.....	.....	5,423.85	107.53	82.19	246.18	435.90
11,773.32	.....	.....	11,773.32	410.62	402.15	1,669.68	2,482.45

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investments in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets, or municipalities' investments
							NIAGARA
			$ c.	$ c.	$ c.	$ c.	$ c.
Streetsville	Nov., 1922	.3	1,194.51			183.92	1,378.43
Tavistock	April, 1923	8.7	8,443.09			774.30	9,217.39
Wallaceburg	Jan., 1923	12.6	18,656.54			2,751.05	21,407.59
Waterdown	Oct., 1922	7.4	5,437.68			542.11	5,979.79
Welland	April, 1922	8.0	4,459.35			1,051.65	5,511.00
Woodbridge	Jan., 1923	.....	3,461.27			98.10	3,559.37
Woodstock	Feb., 1913	96.3	67,205.02			11,915.77	79,120.79
Totals—Municipalities			19,653,193.77	41,451,060.89	1,739,492.27	13,301,460.52	76,145,207.45
Rural Districts not included in above			266,839.55			41,812.64	308,652.19
Essex County system				395,432.06		20,690.35	416,122.41
Companies and Government Industries			3,470,473.40			939,217.91	4,409,691.31
						14,303,181.42	81,279,673.36
Less renewals expense and adjustments						295,019.76	295,019.76
Totals—Municipalities, Rural Districts and Companies			23,390,506.72	41,846,492.95	1,739,492.27	14,008,161.66	80,984,653.60
Power development plants at Niagara Falls including the transformer stations and transmission lines of the Ontario Power Company and Toronto Power Company			115,033,440.33			2,175,274.31	117,208,714.64
Totals of Niagara System revenue-producing properties in operation as at 31st December, 1923			138,423,947.05	41,846,492.95	1,739,492.27	16,183,435.97	198,193,368.24
PLANTS UNDER CONSTRUCTION— Power development, transformer stations, transmission lines and additions and extensions to the system to serve municipal and rural service			4,000,426.31				4,000,426.31
Grand totals of all properties connected with Niagara system in service and under construction			142,424,373.36	41,846,492.95	1,739,492.27	16,183,435.97	202,193,794.55
TOTAL ASSETS							202,193,794.55

*Denotes deficit.

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923—Continued

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid, sinking fund and other reserves	Plant renewal reserves	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,194.51	.....	.....	1,194.51	20.40	21.86	141.66	183.92
8,443.09	.....	.....	8,443.09	116.65	98.16	559.49	774.30
18,656.54	.....	.....	18,656.54	154.68	134.08	2,462.29	2,751.05
5,437.68	.....	.....	5,437.68	106.15	97.97	337.99	542.11
4,459.35	.....	.....	4,459.35	143.24	131.02	777.39	1,051.65
3,461.27	.....	.....	3,461.27	45.95	51.06	1.09	98.10
67,205.02	.....	.....	67,205.02	1,903.84	2,493.40	7,518.53	11,915.77
19,653,193.77	28,960,618.88	5,220,680.52	53,834,493.17	8,063,518.67	8,821,014.75	5,426,180.86	22,310,714.28
266,839.55	.....	.....	266,839.55	41,812.64	.....	.....	41,812.64
.....	297,748.01	2,577.46	300,325.47	36,879.19	56,727.82	22,189.93	115,796.94
3,470,473.40	.....	20,042.62	3,490,516.02	438,740.66	494,512.36	*14,077.73	919,175.29
					9,372,254.93		23,387,499.15
	Less Renew	als Expense a	nd Adjustme	nts.....	295,019.76	.....	295,019.76
23,390,506.72	29,258,366.89	5,243,300.60	57,892,174.21	8,580,951.16	9,077,235.17	5,434,293.06	23,092,479.39
112,996,800.70	.....	1,240,783.41	114237584.11	658,558.35	2,076,918.68	235,653.50	2,971,130.53
136,387,307.42	29,258,366.89	6,484,084.01	172129758.32	9,239,509.51	11,154,153.85	5,669,946.56	26,063,609.92
4,000,426.31	.....	.....	4,000,426.31	.....	.....	.....	.....
140,387,733.73	29,258,366.89	6,484,084.01	176130184.63	9,239,509.51	11,154,153.85	5,669,946.56	26,063,609.92
			Total Liabilities, Reserves and Surpluses.....			.....	202193794.55

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investments in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets or municipalities' investments
							SEVERN
			$ c.	$ c.	$ c.	$ c.	$ c.
Alliston	June, 1918	126.0	70,588.78	43,408.04	3,957.65	7,570.22	125,524.69
Barrie	April, 1913	1,086.5	191,651.25	144,616.20	57,361.75	47,487.10	441,116.30
Beeton	Aug., 1918	79.1	55,928.37	16,168.59	34.27	5,690.77	77,822.00
Bradford	Oct., 1918	69.9	56,650.67	20,707.86	1,437.89	4,819.92	83,616.34
Coldwater	Mar., 1913	89.8	20,947.97	11,999.40	3,947.65	6,976.42	43,871.44
Collingwood	Mar., 1913	1,353.9	291,213.97	104,807.87	21,745.37	96,104.71	513,871.92
Cookstown	May, 1918	35.7	16,128.31	14,042.93	2,125.25	2,354.47	34,650.96
Creemore	Nov., 1914	65.5	26,149.69	11,676.31	7,979.12	6,360.67	52,165.79
Elmvale	June, 1913	168.8	30,065.10	12,280.35	5,750.66	7,446.79	55,542.90
Midland	July, 1911	2,433.3	372,825.77	170,937.91	23,945.44	78,117.70	645,826.82
Penetang	July, 1911	688.7	119,252.25	71,845.74	15,694.17	42,146.50	248,938.66
Port McNicoll	Jan., 1915	47.6	8,642.08	8,897.25	690.38	1,912.13	20,141.84
Stayner	Oct., 1913	121.9	27,550.25	20,561.96	6,799.56	7,655.20	62,566.97
Thornton	Nov., 1918	14.3	11,437.53	7,575.91	323.92	798.68	20,136.04
Tottenham	Oct., 1918	39.5	37,450.69	12,826.43	1,050.08	2,802.22	54,129.42
Victoria Harbor	July, 1914	47.1	12,085.38	8,810.40	4,162.35	3,060.02	28,118.15
Waubaushene	Dec., 1914	25.9	6,131.09	5,325.09	2,541.49	1,365.61	15,363.28
RURAL POWER DISTRICTS							
Barrie		4.4	5,356.82	.....	.....	79.23	5,436.05
Nottawasaga		12.5	13,263.84	.....	.....	1,547.78	14,811.62
Stayner		6.0	17,436.02	.....	.....	192.96	17,628.98
Companies and Government Industries			176,383.88	.....	.....	46,372.00	222,755.88
Plant under construction for municipal service			12,123.81	.....	.....	.....	12,123.81
						370,861.10	2,796,159.86
Less renewals, expenses and adjustments			.....	.....	.....	7,934.54	7,934.54
Totals—Municipalities, Rural Districts and Companies			1,579,263.52	686,488.24	159,547.00	362,926.56	2,788,225.32
TOTAL ASSETS							2,788,225.32

*Denotes deficit.

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923—Continued

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid sinking fund and other reserves	Plant renewal reserves	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
70,588.78	36,583.49	4,026.93	111,199.20	3,416.51	11,399.87	*490.89	14,325.49
191,651.25	26,311.39	3,900.20	221,862.84	71,417.15	49,734.64	98,101.67	219,253.46
55,928.37	13,752.47	2,168.34	71,849.18	1,247.53	7,114.16	*2,388.87	5,972.82
56,650.67	18,073.83	7,703.10	82,427.60	1,126.17	6,938.19	*6,875.62	1,188.74
20,947.97	5,755.70	400.00	27,103.67	2,642.70	6,735.89	7,389.18	16,767.77
291,213.97	17,519.71	5,354.94	314,088.62	48,698.78	69,919.92	81,164.60	199,783.30
16,128.31	12,418.50	628.11	29,174.92	1,081.50	3,982.10	412.44	5,476.04
26,149.69	4,469.58	39.00	30,658.27	3,695.16	5,995.65	11,816.71	21,507.52
30,065.10	5,503.16	.....	35,568.26	3,750.22	7,637.13	8,587.29	19,974.64
372,825.77	77,769.28	222.98	450,818.03	54,222.68	66,667.86	74,118.25	195,008.79
119,252.25	31,403.40	.....	150,655.65	25,716.87	39,224.43	33,341.71	98,283.01
8,642.08	5,832.38	283.08	14,757.54	1,990.93	2,706.01	687.36	5,384.30
27,550.25	9,634.67	.....	37,184.92	6,692.38	8,555.28	10,134.39	25,382.05
11,437.53	6,705.34	2,286.02	20,428.89	794.66	2,056.68	*3,144.19	*292.85
37,450.69	8,085.59	5,937.74	51,474.02	2,381.51	4,091.23	*3,817.34	2,655.40
12,085.38	4,687.79	.....	16,773.17	2,599.20	3,826.02	4,919.76	11,344.98
6,131.09	2,558.29	226.66	8,916.04	1,347.43	1,853.17	3,246.64	6,447.24
5,356.82	.....	17.91	5,374.73	33.74	45.49	*17.91	61.32
13,263.84	.....	.....	13,263.84	480.33	822.17	245.28	1,547.78
17,436.02	.....	32.31	17,468.33	95.64	97.32	*32.31	160.65
176,383.88	.....	.....	176,383.88	25,333.52	21,038.48	.....	46,372.00
12,123.81	.....	.....	12,123.81	.....	.....	.....	.....
					320,441.69		896,604.45
					7,934.54		7,934.54
1,579,263.52	287,064.57	33,227.32	1,899,555.41	258,764.61	312,507.15	317,398.15	888,669.91
				Liabilities..	.....	.....	1,899,555.41
				TOTAL LIABILITIES, RESERVES AND SURPLUSES.....			2,788,225.32

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investments in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets or municipalities investments
							EUGENIA
			$ c.	$ c.	$ c.	$ c.	$ c.
Arthur	Dec., 1916	94.1	65,616.34	24,074.22	244.04	10,542.44	100,477.04
Carlsruhe and Neustadt	Dec., 1918	152.8	60,991.75	18,551.46	34.63	5,149.24	84,727.08
Chatsworth	Dec., 1915	34.1	11,406.55	6,023.75	758.25	3,846.02	22,034.57
Chesley	July, 1916	272.5	99,194.63	36,810.35	64.38	15,976.42	152,045.78
Derby Twp.	.....	.....	.....	210.46	.....	.....	210.46
Dundalk	Dec., 1915	111.5	30,401.39	10,228.73	3,013.02	5,810.90	49,454.04
Durham	Dec., 1915	372.5	92,567.51	29,108.83	10,918.53	12,056.51	144,651.38
Elmwood	April, 1918	34.4	13,474.78	7,486.73	530.08	1,841.54	23,333.13
Flesherton	Dec., 1915	43.7	15,238.02	7,105.45	1,129.46	3,175.10	26,648.03
Grand Valley	Dec., 1916	70.7	37,095.28	12,922.64	5,356.58	4,422.55	59,797.05
Hanover	Sept., 1916	1,322.4	347,916.46	91,113.08	21,730.93	37,950.86	498,711.33
Holstein	May, 1916	10.7	12,028.35	3,146.90	378.55	2,293.69	17,847.49
Hornings Mills	.....	5.0	10,856.77	.....	.....	448.64	11,305.41
Kincardine	Mar., 1921	188.9	120,711.19	63,774.59	470.42	9,807.38	194,763.58
Lucknow	Jan., 1921	77.8	53,304.04	21,893.11	1,479.90	1,959.54	78,636.59
Markdale	Mar., 1916	92.6	23,347.19	15,515.30	998.00	4,673.77	44,534.26
Mount Forest	Dec., 1915	188.3	73,446.31	37,679.49	7,343.43	15,070.79	133,540.02
Orangeville	July, 1916	212.7	94,763.79	42,168.58	1,160.72	11,877.65	149,970.74
Owen Sound	Dec., 1915	1,633.7	418,086.54	227,408.31	.....	169,578.06	815,072.91
Paisley	.....	9.7	15,563.21	15,719.78	.....	1,011.90	32,294.89
Priceville	Mar., 1921	10.2	6,508.91	6,517.58	108.20	547.43	13,682.12
Ripley	Jan., 1921	60.7	45,719.43	13,894.75	554.33	1,752.97	61,921.48
Shelburne	July, 1916	159.1	52,959.22	25,111.49	396.57	9,530.73	87,998.01
Tara	Feb., 1918	40.7	40,471.84	15,492.70	825.03	3,627.48	60,417.05
Teeswater	Dec., 1920	129.4	58,672.85	27,081.63	3.18	4,936.99	90,694.65
Wingham	Dec., 1920	312.7	117,538.13	97,887.50	5,814.76	12,976.74	294,217.13
RURAL POWER DISTRICTS							
Flesherton	.....	1.0	2,394.70	.....	.....	189.15	2,583.85
Walkerton Quarry	.....	1.0	1,768.33	.....	.....	171.85	1,940.18
Other Rural Districts			3,241.66	.....	.....	256.21	3,497.87
Companies			80,282.72	.....	.....	30,442.34	110,725.06
Plant under construction			38,348.31	.....	.....	.....	38,348.31
						381,924.89	3,406,081.49
Less renewals, expenses and adjustments			.....	.....	.....	3,779.31	3,779.31
Totals—Municipalities, Rural Districts and Companies			2,103,916.20	856,927.41	63,312.99	378,145.58	3,402,302.18
TOTAL ASSETS							3,402,302.18

* Denotes deficit.

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923—Continued

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid sinking fund and other reserves	Plant renewal reserves	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
65,616.34	19,075.44	12,826.15	97,517.93	5,064.53	12,428.76	*14,534.18	2,959.11
60,991.75	14,642.56	5,146.55	80,780.86	2,357.44	5,875.91	*4,287.13	3,946.22
11,406.55	5,233.46	383.00	17,023.01	2,066.95	2,623.58	321.03	5,011.56
99,194.63	20,317.11	.....	119,511.74	10,844.51	15,358.62	6,330.91	32,534.04
.....	.....	210.46	210.46	.....	.....	.....	.....
30,401.39	3,607.66	120.00	34,129.05	4,380.71	5,564.45	5,379.83	15,324.99
92,567.51	19,942.27	735.33	113,245.11	10,267.62	10,083.14	11,055.51	31,406.27
13,474.78	5,948.84	502.52	19,926.14	1,425.88	2,396.16	*415.05	3,406.99
15,238.02	5,802.30	927.70	21,968.02	1,818.35	3,560.77	*699.11	4,680.01
37,095.28	8,489.99	1,091.19	46,676.46	3,797.00	5,569.31	3,754.28	13,120.59
347,916.46	75,120.32	6,757.23	429,794.01	24,712.35	33,202.59	11,002.38	68,917.32
12,028.35	1,925.64	4,963.71	18,917.70	1,282.74	1,865.39	*4,218.34	*1,070.21
10,856.77	.....	.....	10,856.77	.....	448.64	.....	448.64
120,711.19	60,164.64	10,085.51	190,961.34	7,657.72	5,656.65	*9,512.13	3,802.24
53,304.04	18,388.80	1,095.37	72,788.21	1,334.56	2,638.19	1,875.63	5,848.38
23,347.19	7,873.61	.....	31,220.80	2,024.57	5,702.45	5,586.44	13,313.46
73,446.31	21,461.96	6,135.67	101,043.94	13,821.31	16,376.89	2,297.88	32,496.08
94,763.79	27,331.74	5,536.22	127,631.75	11,792.48	15,497.34	*4,950.83	22,338.99
418,086.54	105,000.00	12,745.25	535,831.79	139,481.43	78,676.02	61,083.67	279,241.12
15,563.21	15,978.53	547.67	32,089.41	.....	68.34	137.14	205.48
6,508.91	6,382.80	818.09	13,709.80	617.20	460.18	*1,105.06	*27.68
45,719.43	13,367.90	1,054.65	60,141.98	604.04	2,201.73	*1,026.27	1,779.50
52,959.22	14,979.34	121.97	68,060.53	7,108.36	9,932.61	2,896.51	19,937.48
40,471.84	12,994.96	4,846.51	58,313.31	2,505.04	5,610.07	*6,011.37	2,103.74
58,672.85	26,829.89	994.49	86,497.23	3,876.91	2,381.90	*2,061.39	4,197.42
177,538.13	69,218.40	5,353.17	252,109.70	26,887.10	12,501.19	2,719.14	42,107.43
2,394.70	.....	110.13	2,504.83	73.99	115.16	*110.13	78.02
1,768.33	.....	.....	1,768.33	58.40	90.73	22.72	171.85
3,241.66	.....	.....	3,241.66	256.21	.....	.....	256.21
80,282.72	.....	.....	80,282.72	4,111.39	26,330.95	.....	30,442.34
38,348.31	.....	.....	38,348.31	.....	.....	.....	.....
					283,217.72		638,978.59
	Less Renewals Expense and Adjustments				3,779.31	.....	3,779.31
2,103,916.20	580,078.16	83,108.54	2,767,102.90	290,228.79	279,438.41	65,532.08	635,199.28
				Liabilities	.....	.....	2,767,102.90
				TOTAL LIABILITIES, RESERVES AND SURPLUSES	.....	.....	3,402,302.18

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investment in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets or municipalities investments
WASDELLS							
			$ c.	$ c.	$ c.	$ c.	$ c.
Beaverton	Nov., 1914	136.6	41,805.88	21,629.21	5,844.04	11,011.68	80,290.81
Brechin	Jan., 1915	38.3	16,595.04	3,534.13	699.96	5,132.76	25,961.89
Brock Twp.				2,600.00			2,600.00
Cannington	Nov., 1914	93.9	31,906.59	18,307.72	406.24	9,886.32	60,506.87
Kirkfield	June, 1920	27.8	13,627.57	6,540.66	65.98	1,147.23	21,381.44
Port Perry	Sept., 1922	80.8	49,485.59	19,385.85	3,678.95	2,445.32	74,995.71
Sunderland	Nov., 1914	48.0	25,413.56	8,412.37	1,768.06	6,108.01	41,702.00
Uxbridge	Sept., 1922	81.0	52,455.51	16,418.72	3,000.00	2,831.67	74,705.90
Woodville	Nov., 1914	66.3	29,913.78	6,990.96	1,337.28	7,521.70	45,803.72
RURAL POWER DISTRICTS							
Mariposa		3.2	22,414.55			186.19	22,600.74
Port Perry		2.1	1,680.94			162.92	1,843.86
Rural districts not included in above			14,990.82			1,185.91	16,176.73
Companies not included in above			96,928.75			31,711.40	128,640.15
						79,331.11	597,209.82
Less renewals, expenses and adjustments						2,468.01	2,468.01
Totals—Municipalities, Rural Districts and Companies		578.0	397,218.58	103,819.62	16,840.51	76,863.10	594,741.81
TOTAL ASSETS							$594,741.81

*Denotes deficit.

MUSKOKA

			$ c.	$ c.	$ c.	$ c.	$ c.
Gravenhurst	Nov., 1915	463.	45,319.95	69,481.61	1,648.17	16,720.35	133,170.08
Huntsville	Sept., 1916	928.8	167,494.37	28,457.46	9,635.76	24,878.21	230,465.80
Companies not included in the above			284.01			34.00	318.01
Plant under construction for municipal service			2,025.09				2,025.09
						41,632.56	365,978.98
Less renewals, expenses and adjustments						1,411.28	1,411.28
Totals—Municipalities and Companies		1,391.8	215,123.42	97,939.07	11,283.93	40,221.28	364,567.70
TOTAL ASSETS							$364,567.70

*Denotes deficit.

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923—Continued

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid sinking fund and other reserves	Plant renewal reserves	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
41,805.88	12,506.85	200.00	54,512.73	5,239.82	8,637.36	11,900.90	25,778.08
16,595.04	2,938.71	3,342.38	22,876.13	1,955.27	4,018.70	*2,888.21	3,085.76
.....	2,276.18	.....	2,276.18	323.82	.....	.....	323.82
31,906.59	12,778.45	.....	44,685.04	4,533.36	8,530.02	2,758.45	15,821.83
13,627.57	5,480.75	666.12	19,774.44	519.25	1,098.04	*10.29	1,607.00
49,485.59	20,000.00	.....	69,485.59	.....	1,191.15	4,318.97	5,510.12
25,413.56	5,525.73	2,966.01	33,905.30	3,354.95	5,540.65	*1,098.90	7,796.70
52,455.51	16,207.59	51.47	68,714.57	.....	1,174.25	4,817.08	5,991.33
29,913.78	4,647.29	986.39	35,547.46	3,041.82	5,435.64	1,778.80	10,256.26
22,414.55	.....	27.96	22,442.51	75.03	111.16	*27.96	158.23
1,680.94	.....	.....	1,680.94	28.23	26.16	108.53	162.92
14,990.82	.....	.....	14,990.82	1,185.91	.....	.....	1,185.91
96,928.75	.....	.....	96,928.75	11,200.31	20,511.09	.....	31,711.40
					56,274.22		109,389.36
					2,468.01	.....	2,468.01
397,218.58	82,361.55	8,240.33	487,820.46	31,457.77	53,806.21	21,657.37	106,921.35
				Liabilities..	.....	.....	487,820.46
			TOTAL LIABILITIES, RESERVES AND SURPLUSES		.....		594,741.81

SYSTEM

$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
45,319.95	34,207.50	4,131.68	83,659.13	35,558.55	16,084.61	*2,132.21	49,510.95
167,494.37	14,685.77	1,551.23	183,731.37	12,797.05	20,888.79	13,048.59	46,734.43
284.01	.....	.....	284.01	10.45	23.55	.....	34.00
2,025.09	.....	.....	2,025.09	.....	.....	.....	.....
					36,996.95		96,279.38
	Less Renew	als, Expenses	and Adjustm	ents.....	1,411.28	.....	1,411.28
215,123.42	48,893.27	5,682.91	269,699.60	48,366.05	35,585.67	10,916.38	94,868.10
				Liabilities..	.....	.....	269,699.60
			TOTAL LIABILITIES, RESERVES AND SURPLUSES		.....		364,567.70

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investments in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets or municipalities' investments
ST. LAWRENCE							
			$ c.	$ c.	$ c.	$ c.	$ c.
Alexandria	Jan., 1921	207.6	113,433.77	45,742.03	561.17	8,938.72	168,675.69
Apple Hill	April, 1921	22.3	9,599.20	5,959.11	5.02	1,400.29	16,963.62
Brockville	April, 1915	1,306.2	225,733.80	218,826.51	28,212.40	149,041.63	621,814.34
Chesterville	April, 1914	169.7	61,357.74	12,215.18	437.67	20,319.12	94,329.71
Lancaster	May, 1921	24.2	37,699.31	9,855.04	88.46	2,242.37	49,885.18
Martintown	May, 1921	13.1	5,378.34	4,775.18	1,192.88	293.29	11,639.69
Maxville	Feb., 1921	50.	40,538.71	18,941.26	.....	2,487.45	61,967.42
Prescott	Dec., 1913	254.1	46,532.44	63,963.20	8,384.00	26,599.68	145,479.32
Williamsburg	April, 1915	21.9	7,274.22	2,634.46	719.59	2,169.07	12,797.34
Winchester	Jan., 1914	100.3	29,490.74	14,141.24	8,050.04	13,167.80	64,849.82
Rural Power Districts.							
Brockville	July, 1922	31.5	16,063.16	.....	.....	870.47	16,933.63
Chesterville	May, 1922	3.3	3,660.92	.....	.....	212.44	3,873.36
Martintown	Jan., 1922	6.9	11,114.16	.....	.....	516.76	11,630.92
Prescott	June, 1922	28.	20,929.47	.....	.....	927.15	21,856.62
Companies not included in above		4,393.0	416,695.89	.....	.....	34,340.11	451,036.00
Plant under construction		.....	122.63	.....	.....	.....	122.63
						263,526.35	1,753,855.29
Less renewals, expenses and adjustments		.....	.....	.....	.....	5,993.77	5,993.77
Totals—Municipalities, Rural Districts and Companies		6,632.1	1,045,624.50	397,053.21	47,651.23	257,532.58	1,747,861.52
TOTAL ASSETS							$1,747,861.52
RIDEAU							
			$ c.	$ c.	$ c.	$ c.	$ c.
Carleton Place	May, 1919	796.9	320,585.51	67,295.75	10,430.47	18,348.76	416,660.49
Kemptville	Sept., 1921	94.9	50,899.50	28,848.54	8,243.99	3,166.00	91,158.03
Lanark	Sept., 1921	32.5	22,253.56	7,312.16	1,851.07	772.36	32,189.15
Perth	Feb., 1919	562.5	215,774.12	108,819.37	.....	57,204.62	381,798.11
Smiths Falls	Sept., 1918	941.0	322,432.98	200,036.46	13,792.69	18,061.37	554,323.50
Companies not included in above			150,330.86	.....	.....	3,708.60	154,039.46
Plant under construction for municipal service		.....	802.68	.....	.....	.....	802.68
						101,261.71	1,630,971.42
Less renewals, expenses and adjustments		.....	.....	.....	.....	5,037.01	5,037.01
Totals—Municipalities and Companies		2,427.8	1,083,079.21	412,312.28	34,318.22	96,224.70	1,625,934.41
TOTAL ASSETS							$1,625,934.41

*Denotes deficit.

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923—Continued

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid sinking fund and other reserves	Plant renewal reserves	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
113,433.77	37,639.79	6,244.07	157,317.63	6,100.30	7,418.32	*2,160.56	11,358.06
9,599.20	5,720.00	739.82	16,059.02	280.00	686.46	* 61.86	904.60
225,733.80	156,889.95	4,375.28	386,999.03	151,270.58	48,798.19	34,746.54	234,815.31
61,357.74	4,817.88	1,174.94	67,350.56	6,636.96	14,880.48	5,461.71	26,979.15
37,699.31	8,845.34	5,297.78	51,842.43	1,125.08	2,234.51	*5,316.84	1,957.25
5,378.34	5,480.75	.....	10,859.09	519.25	433.21	*171.86	780.60
40,538.71	14,546.29	5,387.09	60,472.09	1,453.71	2,800.81	*2,759.19	1,495.33
46,532.44	16,225.66	.....	62,758.10	14,592.35	27,347.92	40,780.95	82,721.22
7,274.22	1,832.86	.....	9,107.08	1,238.17	1,882.41	569.68	3,690.26
29,490.74	9,103.85	773.70	39,368.29	3,894.08	10,474.76	11,112.69	25,481.53
16,063.16	.....	.....	16,063.16	.....	870.47	.....	870.47
3,660.92	.....	.....	3,660.92	.....	212.44	.....	212.44
11,114.16	.....	.....	11,114.16	.....	516.76	.....	516.76
20,929.47	.....	.....	20,929.47	.....	927.15	.....	927.15
416,695.89	.....	.....	416,695.89	15,958.42	18,381.69	.....	34,340.11
122.63	.....	.....	122.63	.....	.....	.....	.....
					137,865.58		423,135.74
.....	Less renewals, expenses and adjustments.....				5,993.77	.....	5,993.77
1,045,624.50	261,102.37	23,992.68	1,330,719.55	203,068.90	131,871.81	82,201.26	417,141.97
					Liabilities.....		1,330,719.55
				TOTAL LIABILITIES, RESERVES AND SURPLUSES.....			1,747,861.52

*Denotes deficit.

SYSTEM

$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
320,585.51	62,441.10	3,351.52	386,378.13	3,558.90	21,738.41	4,985.05	30,282.36
50,899.50	23,993.29	2,499.72	77,392.51	1,006.71	1,966.07	10,792.74	13,765.52
22,253.56	7,057.46	21.32	29,332.34	504.01	669.72	1,683.08	2,856.81
215,774.12	102,540.84	9,341.48	327,656.44	5,859.16	23,262.68	25,019.83	54,141.67
322,432.98	165,678.02	1,984.17	490,095.17	31,946.98	40,860.67	*8,579.32	64,228.33
150,330.86	.....	.....	150,330.86	.....	3,708.60	.....	3,708.60
802.68	.....	.....	802.68	.....	.....	.....	.....
					92,206.15		168,983.29
	Less renewals, expenses and adjustments.....				5,037.01	.....	5,037.01
1,083,079.21	361,710.71	17,198.21	1,461,988.13	42,875.76	87,169.14	33,901.38	163,946.28
					Liabilities.....		1,461,988.13
				TOTAL LIABILITIES, RESERVES AND SURPLUSES.....			1,625,934.41

STATEMENT COMBINING THE HYDRO-ELECTRIC POWER COMMISSION'S OF THE HYDRO MUNICIPAL UTILITIES,

ASSETS

Municipality	Date commenced operation	Average electrical horsepower taken during the year 1923	Hydro-Electric Power Commission's plant (See preceding explanatory statement under heading "Assets" Column 3)	Plant value within the boundaries of the municipalities	Bank balances and investments in securities (municipalities only)	Accounts receivable, inventories and other assets	Total assets or municipalities' investments
							TRENT
			$ c.	$ c.	$ c.	$ c.	$ c.
Bloomfield	April, 1919	60.9	33,871.62	11,637.30	566.03	2,810.64	48,885.59
Havelock	Feb., 1921	68.8	31,866.46	33,512.04	1,015.32	2,065.85	68,459.67
Lakefield	Aug., 1920	108.8	46,921.95	32,871.56	7,851.91	7,551.91	90,197.03
Marmora	Jan., 1921	44.7	15,129.64	19,181.46	3,026.63	1,173.41	38,511.14
Norwood	Feb., 1921	87.2	23,833.45	38,334.70	2,989.16	959.09	66,116.40
Peterborough	Mar., 1916	4,738.9	949,699.36	449,187.50	.....	136,643.58	1,535,530.44
Picton	April, 1919	364.8	167,404.57	50,360.89	18,890.42	30,606.28	267,262.16
Warkworth	Oct., 1923	2.2	7,289.02	9,891.99	588.66	9.81	17,779.48
Wellington	April, 1919	77.9	32,962.61	20,620.21	571.08	3,344.58	57,498.48
Whitby	Mar., 1916	583.1	129,383.16	63,859.25	2,575.87	9,994.59	205,812.87
	RURAL DISTRICTS						
Oshawa	April, 1918	83.9	35,406.94	18,876.58	.....	12,038.78	66,322.30
Kingston	Jan., 1923	14.3	19,786.76	.....	.....	781.82	20,568.58
Less renewals, expenses and adjustments			.....	.....	.....	207,980.34 5,390.13	2,482,944.14 5,390.13
Totals—Municipalities and Rural Districts		6,235.5	1,493,555.54	748,333.48	33,074.78	202,590.21	2,477,554.01
TOTAL ASSETS							$2,477,554.01

*Denotes deficit.

RECAPITULATION OF TOTALS OF ABOVE STATEMENTS

	$ c.	$ c.	$ c.	$ c.	$ c.
Niagara system	142,424,373.36	41,846,492.95	1,739,492.27	16,183,435.97	202,193,794.55
Severn system	1,579,263.52	686,488.24	159,547.00	362,926.56	2,788,225.32
Eugenia system	2,103,916.20	856,927.41	63,312.99	378,145.58	3,402,302.18
Wasdells system	397,218.58	103,819.62	16,840.51	76,863.10	594,741.81
Muskoka system	215,123.42	97,939.07	11,283.93	40,221.28	364,567.70
St. Lawrence system	1,045,624.50	397,053.21	47,651.23	257,532.58	1,747,861.52
Rideau system	1,083,079.21	412,312.28	34,318.22	96,224.70	1,625,934.41
Trent system	1,493,555.54	748,333.48	33,074.78	202,590.21	2,477,554.01
Thunder Bay system (Port Arthur)	6,864,225.62	902,940.44	282,669.22	213,822.74	8,263,658.02
Ottawa system (Ottawa city and Nepean rural power district)	26,040.09	1,640,170.78	1,733.79	361,348.71	2,029,293.37
Totals—All systems	157,232,420.04	47,692,477.48	2,389,923.94	18,173,111.43	225,487,932.89

PLANT AND RESERVES WITH THE ASSETS, LIABILITIES AND RESERVES AS AT DECEMBER 31, 1923—Continued

LIABILITIES				RESERVES AND SURPLUSES			
Municipalities' liability in respect to Hydro-Electric Power Commission's plants	Municipal debenture debt	Accounts payable and other liabilities (municipalities only)	Total liabilities	Debentures paid, sinking fund and other reserves	Plant renewal reserves	Surplus	Total reserves and surpluses
SYSTEM							
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
33,871.62	10,352.64	125.65	44,349.91	847.36	3,480.39	207.93	4,535.68
31,866.46	30,290.12	.....	62,156.58	2,609.88	2,201.28	1,491.93	6,303.09
46,921.95	32,259.21	.....	79,181.16	1,240.79	4,166.54	5,608.54	11,015.87
15,129.64	15,838.57	203.55	31,171.76	1,827.54	1,051.45	4,460.39	7,339.38
23,833.45	35,767.09	157.00	59,757.54	1,332.91	1,878.61	3,147.34	6,358.86
949,699.36	330,000.00	37,931.56	1,317,630.92	46,034.47	97,405.51	74,459.54	217,899.52
167,404.57	3,074.30	.....	170,478.87	2,656.02	15,541.37	78,585.90	96,783.29
7,289.02	.....	10,532.33	17,821.35	.....	9.81	*51.68	*41.87
32,962.61	15,968.48	107.16	49,038.25	1,031.52	4,728.73	2,699.98	8,460.23
129,383.16	39,642.01	4,810.02	173,835.19	16,970.49	8,701.22	6,305.97	31,977.68
35,406.94	14,818.13	8,511.78	58,736.85	2,681.87	12,038.78	*7,135.20	7,585.45
19,786.76	.....	.....	19,786.76	.....	366.66	415.16	781.82
					151,570.35		398,999.00
	Less renewals, expenses and adjustments				5,390.13	.....	5,390.13
1,493,555.54	528,010.55	62,379.05	2,083,945.14	77,232.85	146,180.22	170,195.80	393,608.87
				Liabilities	.....	.....	2,083,945.14
				TOTAL LIABILITIES, RESERVES AND SURPLUSES			2,477,554.01

OF ASSETS, LIABILITIES, RESERVES AND SURPLUSES

$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
140,387,733.73	29,258,366.89	6,484,084.01	176,130,184.63	9,239,509.51	11,154,153.85	5,669,946.56	26,063,609.92
1,579,263.52	287,064.57	33,227.32	1,899,555.41	258,764.61	312,507.15	317,398.15	888,669.91
2,103,916.20	580,078.16	83,108.54	2,767,102.90	290,228.79	279,438.41	65,532.08	635,199.28
397,218.58	82,361.55	8,240.33	487,820.46	31,457.77	53,806.21	21,657.37	106,921.35
215,123.42	48,893.27	5,682.91	269,699.60	48,366.05	35,585.67	10,916.38	94,868.10
1,045,624.50	261,102.37	23,992.68	1,330,719.55	203,068.90	131,871.81	82,201.26	417,141.97
1,083,079.21	361,710.71	17,198.21	1,461,988.13	42,875.76	87,169.14	33,901.38	163,946.28
1,493,555.54	528,010.55	62,379.05	2,083,945.14	77,232.85	146,180.22	170,195.80	393,608.87
6,864,225.62	446,862.40	118,057.33	7,429,145.35	328,249.11	148,556.74	357,706.82	834,512.67
26,040.09	976,134.49	66,937.69	1,069,112.27	286,328.75	456,154.56	217,697.79	960,181.10
155,195,780.41	32,830,584.96	6,902,908.07	194,929,273.44	10,806,082.10	12,805,423.76	6,947,153.59	30,558,659.45

TOTAL LIABILITIES, RESERVES AND SURPLUSES

	$ c.
Niagara system	202,193,794.55
Severn system	2,788,225.32
Eugenia system	3,402,302.18
Wasdells system	594,741.81
Muskoka system	364,567.70
St. Lawrence system	1,747,861.52
Rideau system	1,625,934.41
Trent system	2,477,554.01
Thunder Bay system (Port Arthur)	8,263,658.02
Ottawa system (Ottawa city and Nepean rural power district)	2,029,293.37
Totals—All systems	225,487,932.89

STATEMENT

Condensed Operating Reports of Electrical Departments

NIAGARA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Acton	1,742	11,322.43	3,491.46	536.69	15,350.58	19,578.28	4,227.70
Agincourt	P.V.	1,090.80	391.98	755.36	2,238.14	3,940.63	1,702.49
Ailsa Craig	547	5,460.34	310.91	377.12	6,148.37	7,335.78	1,187.41
Alvinston	659	4,870.24	485.83	2,004.11	7,360.18	10,347.57	2,987.39
Ancaster Twp.	.....	4,163.09	3,167.83	1,618.61	8,949.53	12,936.13	3,986.60
Aylmer	2,251	9,664.18	3,662.09	1,874.71	15,200 98	20,643.95	5,442.97
Ayr	817	3,240.87	810.26	960.02	5,011.15	7,283.58	2,272.43
Baden	P.V.	7,537.56	625.44	150.12	8,313.12	9,668.03	1,354.91
Beachville	P.V.	11,322.23	585.60	136.93	12,044.76	14,244.93	2,200.17
Belle River	580	2,578.76	155.48	856.61	3,590.85	6,084.73	2,493.88
Blenheim	1,580	7,697.88	2,523.51	1,050.76	11,272.15	16,325.33	5,053.18
Bolton	658	6,224.63	1,012.45	1,412.66	8,649.74	9,274.61	624.87
Bothwell	613	6,398.47	854.91	1,075.71	8,329.09	11,144.42	2,815.33
Brampton	4,407	37,024.93	6,678.69	3,363.55	47,067.17	49,057.96	1,990.79
Brantford	31,362	157,242.10	39,127.10	38,255.09	234,624.29	255,472.07	20,847.78
Brantford Twp.	.....	9,879.88	4,710.84	4,674.73	19,265.45	25,126.77	5,861.32
Brigden	P.V.	3,811.02	544.31	906.11	5,261.44	5,535.11	273.67
Burford	P.V.	3,154.04	930.12	893.01	4,977.17	7,257.11	2,279.94
Burgessville	P.V.	1,613.02	239.78	309.05	2,161.85	2,585.97	424.12
Caledonia	1,335	2,971.67	582.37	302.52	3,856.56	5,711.08	1,854.52
Chatham	15,084	87,683.98	45,946.33	22,292.64	155,922.95	192,113.47	36,190.52
Chippawa	1,029	2,405.09	1,272.63	1,205.29	4,883.01	7,325.27	2,442.26
Clinton	1,941	12,244.94	3,178.52	2,795.16	18,218.62	20,327.90	2,109.28
Comber	P.V.	4,864.69	703.20	684.66	6,252.55	8,601.29	2,348.74
Dashwood	P.V.	2,902.87	284.02	235.88	3,422.77	3,672.72	249.95
Delaware	P.V.	779.56	106.15	246.92	1,132.63	1,733.12	600.49
Dereham Twp.	.....	3,183.99	1,229.45	4,074.21	8,487.65	9,409.81	922.16
Dorchester	P.V.	1,273.77	423.05	269.52	1,966.34	4,304.81	2,338.47
Drayton	618	3,664.80	390.22	539.95	4,594.97	6,367.62	1,772.65
Dresden	1,456	7,124.42	2,800.56	1,197.96	11,122.94	14,485.97	3,363.03
Drumbo	P.V.	1,119.65	734.67	268.85	2,123.17	2,708.55	585.38
Dublin	P.V.	2,014.25	351.59	582.83	2,948.67	3,124.24	175.57
Dundas	5,100	24,781.50	9,840.49	3,400.49	38,022.48	51,481.58	13,459.10
Dunnville	3,583	12,208.52	4,539.39	5,057.27	21,805.18	29,029.40	7,224.22
Dutton	845	5,417.93	1,351.68	396.80	7,166.41	8,409.53	1,243.12
Elmira	2,370	15,604.71	3,906.78	1,356.45	20,867.94	27,692.57	6,824.63
Elora	1,091	10,017.89	3,666.09	947.61	14,631.59	17,942.91	3,311.32
Embro	463	3,293.66	357.22	625.22	4,276.10	5,625.10	1,349.00
Etobicoke Twp.	.....	19,929.23	13,555.49	11,232.97	44,717.69	66,001.11	21,283.42
Exeter	1,507	10,133.06	2,527.09	1,060.98	13,721.13	17,400.48	3,679.35
Fergus	1,762	9,681.33	3,233.43	1,584.51	14,499.27	18,115.09	3,615.82
Ford City	5,113	46,023.23	8,934.75	5,553.16	60,511.14	64,953.59	4,442.45
Forest	1,422	6,155.30	2,980.64	2,415.64	11,551.58	15,832.20	4,280.62
Galt	13,332	120,174.20	32,445.90	40,261.89	192,881.99	185,908.11	.....
Georgetown	2,098	23,838.37	4,454.17	1,056.22	29,348.76	34,675.94	5,327.18

"B"

of Hydro Municipalities for Year Ended December 31, 1923

SYSTEM

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1923
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	730.00	3,497.70	.....	383	74	18	.....	475	27.3	472.5
.....	173.00	1,529.49	.....	84	10	2	.....	96	.....	29.4
.....	310.00	877.41	.....	137	30	3	1	171	31.2	160.3
.....	419.00	2,568.39	.....	140	52	6	.....	198	30.0	62.0
.....	761.00	3,225.60	.....	486	47	4	.....	537	.....	211.8
.....	708.00	4,734.97	.....	480	123	10	.....	613	27.2	276.0
.....	380.00	1,892.43	.....	143	47	3	.....	193	23.6	111.9
.....	289.00	1,065.91	.....	89	25	4	.....	118	.....	271.6
.....	410.00	1,790.17	.....	76	29	3	.....	108	.....	398.1
.....	267.00	2,226.88	.....	97	19	2	.....	118	20.3	64.3
.....	764.00	4,289.18	.....	389	101	13	.....	503	31.9	246.3
.....	598.00	26.87	.....	122	41	9	.....	172	26.1	154.2
.....	393.00	2,422.33	.....	159	53	14	.....	226	36.8	149.4
.....	1,202.00	788.79	.....	1,088	212	51	14	1,365	30.9	1,365.1
.....	13,108.00	7,739.78	.....	5,230	587	90	.....	5,907	18.8	7,305.6
.....	1,387.00	4,474.32	.....	563	41	5	.....	609	.....	.....
.....	214.00	59.67	.....	85	38	4	.....	127	.....	38.8
.....	264.00	2,015.94	.....	152	38	5	.....	195	.....	83.1
.....	107.00	[illegible]	.....	50	12	1	.....	63	.....	21.7
.....	358.00	1,496.52	.....	100	64	8	.....	172	12.8	139.4
.....	7,792.00	28,398.52	.....	3,491	625	128	.....	4,244	28.2	3,477.1
.....	397.00	2,045.26	.....	190	26	5	.....	221	21.4	119.3
.....	1,062.00	1,047.28	.....	411	131	11	.....	553	33.6	321.7
.....	247.00	2,101.74	.....	77	42	2	.....	121	.....	125.2
.....	128.00	121.95	.....	51	26	2	.....	79	.....	50.1
.....	98.00	502.49	.....	42	11	.....	.....	53	.....	12.6
.....	1,295.00	.....	372.84	.....	.....	.....	187	187	.....	96.7
.....	256.00	2,082.47	.....	117	15	4	.....	136	.....	22.7
.....	270.00	1,502.65	.....	119	42	3	.....	164	26.6	60.3
.....	617.00	2,746.03	.....	284	112	.....	.....	396	27.1	266.0
.....	143.00	442.38	.....	77	22	1	.....	100	.....	36.1
.....	155.00	20.57	.....	25	19	4	.....	48	.....	29.7
.....	1,075.00	12,384.10	.....	949	165	51	126	1,291	25.3	1,666.8
.....	1,775.00	5,449.22	.....	347	162	20	.....	529	14.7	457.1
.....	360.00	883.12	.....	171	72	6	2	251	29.8	155.5
.....	1,093.00	5,731.63	.....	407	108	22	.....	537	23.0	541.5
.....	800.00	2,511.32	.....	255	65	3	1	324	29.6	265.6
.....	284.00	1,065.00	.....	82	33	4	1	120	25.9	32.9
.....	4,750.00	16,533.42	.....	2,704	176	19	.....	2,899	.....	1,139.4
.....	684.00	2,995.35	.....	326	97	8	1	432	28.6	280.0
.....	842.00	2,773.82	.....	380	96	13	.....	489	27.7	336.4
.....	1,719.00	2,723.45	.....	1,155	150	30	.....	1,335	26.1	1,433.0
.....	792.00	3,488.62	.....	391	104	22	.....	517	36.4	153.5
6,973.88	12,378.31	.....	19,352.19	3,242	492	120	.....	3,854	28.8	5,114.0
.....	1,525.00	3,802.18	.....	460	91	27	79	657	31.3	588.0

STATEMENT

Condensed Operating Reports of Electrical Departments

NIAGARA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Glencoe	835	4,696.39	1,225.09	2,560.64	8,482.12	10,860.11	2,377.99
Goderich	4,108	30,138.94	7,160.50	4,290.20	41,589.64	47,874.42	6,284.78
Grantham Twp.		2,478.87	1,082.77	3,139.12	6,700.76	8,479.00	1,778.24
Granton	P.V.	2,658.88	195.91	276.97	3,131.76	3,958.02	826.26
Guelph	18,027	137,764.19	32,321.35	8,336.76	178,422.30	219,354.93	40,932.63
Hagersville	1,271	15,358.57	3,241.07	381.33	18,980.97	22,500.43	3,519.46
Hamilton	118,243	536,174.43	170,590.38	133,241.34	840,006.15	880,201.15	40,195.00
Harriston	1,311	9,986.49	1,471.35	1,128.78	12,586.62	14,689.62	2,103.00
Hensall	738	3,400.76	1,132.92	878.38	5,412.06	6,685.12	1,273.06
Hespeler	2,853	15,247.26	4,983.55	3,737.64	23,968.45	30,113.43	6,144.98
Highgate	417	2,841.95	280.41	281.93	3,404.29	4,778.18	1,373.89
Ingersoll	5,253	38,917.76	10,816.25	3,765.29	53,499.30	62,553.02	9,053.72
Kitchener	22,717	239,577.35	58,470.12	24,177.57	322,225.04	354,609.51	32,384.47
Lambeth	P.V.	2,083.02	421.64	280.21	2,784.87	4,071.98	1,287.11
Listowel	2,429	16,122.12	5,221.08	3,727.26	25,070.46	30,662.49	5,592.03
London	59,784	460,908.16	145,390.30	88,088.42	694,386.88	783,055.21	88,668.33
Louth Twp.			179.05	523.63	702.68	941.17	238.49
Lucan	624	4,890.79	1,722.05	391.29	7,004.13	8,261.88	1,257.75
Lynden	P.V.	4,723.30	189.25	298.02	5,210.57	6,385.44	1,174.87
Markham	970	4,395.98	2,118.02	1,122.68	7,636.68	9,386.72	1,750.04
Merlin	P.V.	5,071.44	606.53	1,200.17	6,878.14	9,432.77	2,554.63
Merritton	2,589	6,825.70	5,703.48	791.34	13,320.52	15,929.91	2,609.39
Milton	1,900	32,620.76	4,914.52	1,761.66	39,296.94	35,956.51	
Milverton	1,054	13,536.97	1,410.42	712.98	15,660.37	16,398.92	738.55
Mimico	4,187	23,877.73	8,846.72	4,594.99	37,319.44	37,308.29	
Mitchell	1,699	9,569.91	3,195.90	1,288.97	14,054.78	18,953.80	4,899.02
Moorefield	P.V.	2,476.93	261.54	365.07	3,103.54	3,405.98	302.44
Mt. Brydges	P.V.	1,602.06	364.49	225.50	2,192.05	3,559.62	1,367.57
Newbury	301	1,460.09	72.52	815.72	2,348.33	3,099.79	751.46
New Hamburg	1,401	11,182.64	3,332.47	1,171.98	15,687.09	19,101.02	3,413.93
New Toronto	2,947	73,211.65	8,621.84	459.20	82,292.69	89,932.37	7,639.68
Niagara Falls	15,895	88,978.78	31,597.97	38,057.15	158,633.90	185,771.00	27,137.10
Niagara-on-the-Lake	1,714	4,814.78	4,112.88	1,520.24	10,447.90	13,262.48	2,814.58
Norwich	1,307	10,591.46	9,836.69	537.11	20,965.26	25,801.47	4,836.21
Oil Springs	491	8,372.37	1,996.84	1,501.19	11,870.40	15,185.25	3,314.85
Otterville	P.V.	1,967.91	707.29	268.57	2,943.77	4,003.33	1,059.56
Palmerston	1,780	9,607.05	2,425.03	1,513.04	13,545.12	17,994.16	4,449.04
Paris	4,400	26,586.60	5,257.22	6,684.38	38,528.20	42,501.80	3,973.60
Parkhill	1,201	4,362.96	566.48	1,159.53	6,088.97	8,865.31	2,776.34
Petrolia	2,911	27,393.26	7,049.70	3,348.20	37,791.16	47,086.48	9,295.32
Plattsville	P.V.	2,622.97	204.27	398.28	3,225.52	3,408.25	182.72
Point Edward	1,150	5,555.30	1,301.07	742.83	7,599.20	10,466.65	2,867.45
Port Colborne	3,123	12,242.79	4,756.39	5,265.30	22,264.48	26,050.81	3,786.33
Port Credit	1,119	5,715.72	1,178.10	354.53	7,248.35	9,541.87	2,293.52
Port Dalhousie	1,424	5,712.90	2,981.11	1,935.29	10,629.30	13,935.19	3,305.89

*Includes rural consumers in North and South Norwich Townships.

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1923

SYSTEM—Continued

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1923
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	491.00	1,886.99	.....	186	69	6	.....	261	32.4	99.1
.....	2,960.00	3,324.78	.....	1,008	207	19	40	1,274	31.0	748.6
.....	1,021.20	757.04	.....	.....	.....	.....	282	282	.....	127.3
.....	143.00	683.26	.....	63	24	2	.....	89	.....	27.8
.....	9,661.00	31,271.63	.....	3,938	615	109	.....	4,662	25.8	5,871.3
.....	454.00	3,065.46	.....	225	86	12	.....	323	25.4	776.0
.....	23,113.99	17,081.01	.....	24,543	2,564	708	.....	27,815	23.5	25,168.0
.....	506.00	1,597.00	.....	245	88	9	.....	342	26.0	200.6
.....	345.00	928.06	.....	141	54	10	3	208	28.1	73.7
.....	1,517.00	4,627.98	.....	558	102	19	29	708	24.8	682.8
.....	187.00	1,186.89	.....	82	32	5	.....	119	28.5	33.5
.....	2,762.00	6,291.72	.....	1,159	231	52	10	1,452	27.6	1,633.1
.....	16,100.36	16,284.11	.....	4,619	687	223	.....	5,529	24.3	10,174.2
.....	195.00	1,092.11	.....	105	20	3	.....	128	.....	59.6
.....	1,352.00	4,240.03	.....	540	143	23	.....	706	29.0	458.4
.....	50,448.31	38,220.02	.....	14,953	1,881	545	.....	17,379	29.0	19,490.6
.....	90.76	147.73	.....	.....	.....	.....	58	58	.....	.....
.....	390.00	867.75	.....	152	39	7	1	199	31.8	163.5
.....	152.00	1,022.87	.....	72	18	1	.....	91	.....	145.3
.....	361.00	1,389.04	.....	194	49	5	.....	248	35.9	111.2
.....	.....	2,554.63	.....	71	29	3	.....	103	.....	83.0
.....	630.00	1,979.39	.....	580	55	4	.....	639	24.6	587.0
3,340.43	398.00	.....	3,738.43	338	87	23	.....	448	23.5	1,185.3
.....	445.00	293.55	.....	177	69	6	.....	252	23.9	455.0
11.15	2,151.00	.....	2,162.15	1,194	98	11	.....	1,303	31.1	1,206.4
.....	1,607.00	3,292.02	.....	375	104	24	.....	503	29.6	283.0
.....	108.00	194.44	.....	35	17	2	.....	54	.....	19.5
.....	160.00	1,207.57	.....	96	26	.....	.....	122	.....	45.5
.....	172.00	579.46	.....	44	23	1	.....	68	22.5	26.8
.....	397.00	3,016.93	.....	268	71	14	.....	353	32.3	385.4
.....	1,766.00	5,873.68	.....	829	99	18	.....	946	32.1	2,218.5
.....	11,637.00	15,500.10	.....	3,329	546	87	.....	3,962	24.9	5,610.0
.....	527.00	2,287.58	.....	328	79	7	5	419	24.5	220.4
.....	1,770.00	3,066.21	.....	338	92	8	169	607	*	400.8
.....	470.00	2,844.85	.....	49	25	35	.....	109	22.1	270.6
.....	191.00	868.56	.....	98	19	4	.....	121	.....	63.9
.....	723.00	3,726.04	.....	315	80	7	.....	402	22.6	260.7
.....	3,193.00	780.60	.....	927	173	17	4	1,121	25.4	912.8
.....	417.00	2,359.34	.....	165	63	4	.....	232	19.3	86.1
.....	1,737.00	7,558.32	.....	552	187	67	.....	806	27.6	695.7
.....	169.00	13.72	.....	78	28	2	.....	108	.....	41.5
.....	430.00	2,437.45	.....	222	34	10	.....	266	23.1	191.0
.....	1,268.00	2,518.33	.....	695	175	14	.....	884	28.3	551.0
.....	605.00	1,688.52	.....	270	55	8	3	336	30.0	222.5
.....	470.00	2,835.89	.....	516	29	10	60	615	43.1	167.3

STATEMENT

Condensed Operating Reports of Electrical Departments

NIAGARA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Port Dover	1,380	4,030.54	684.21	2,242.94	6,957.69	9,725.04	2,767.35
Port Stanley	717	8,736.04	3,427.04	1,209.54	13,372.62	15,544.83	2,172.21
Preston	5,547	52,542.42	14,067.96	9,703 34	76,313.72	84,415.42	8,101.70
Princeton	P.V.	1,441.72	123.92	258.42	1,824.06	2,597.52	773.46
Queenston	P.V.	875.53	268.77	832.80	1,977.10	2,846.94	869.84
Ridgetown	2,267	9,263.44	2,965.18	1,151.58	13,380.20	18,310.58	4,930.38
Riverside	3,000	9,114.80	4,419.91	2,435.54	15,970.25	18,832.88	2,862.63
Rockwood	P.V.	3,049.18	602.40	25.90	3,677.48	4,537.11	859.63
Rodney	756	2,833.33	585.32	400.47	3,819.12	6,374.17	2,555.05
St. Catharines	20,961	100,783.74	42,799.40	18,294.27	161,877.41	192,077.75	30,200.34
St. Clair Beach	82	1,605.36	311.52	623.54	2,540.42	2,872.79	332.37
St. George	P.V.	3,113.32	630.25	181.92	3,925.49	5,226.97	1,301.48
St. Jacobs	P.V.	1,631.70	438.99	351.26	2,421.95	2,804.05	382.10
St. Marys	4,039	26,581.86	7,134.50	5,258.99	38,975.35	43,532.93	4,557.58
St. Thomas	17,892	96,459.12	43,974.60	9,480.81	149,914.53	181,105.06	31,190.53
Sarnia	14,905	125,148.47	40,239.69	25,401.14	190,789.30	215,823.54	25,034.24
Scarboro Twp.	.....	17,671.33	11,646.68	12,223.64	41,541.65	60,551.70	19,010.05
Seaforth	1,950	15,834.02	3,073.07	882.02	19,789.11	20,087.57	298.46
Simcoe	3,951	12,870.90	3,334.04	2,445.24	18,650.18	22,973.63	4,323.45
Springfield	432	1,785.41	388.39	644.28	2,818.08	3,507.78	689.70
Stamford Twp.	.....	12,037.05	8,637.27	6,607.08	27,281.40	33,916.24	6,634.84
Stouffville	1,084	773.42	312.46	.....	1,085.88	1,315.78	229.90
Stratford	17,611	132,724.25	27,288.80	24,990.81	185,003.86	169,743.26	.....
Strathroy	2,627	17,544.53	5,484.52	2,858.85	25,887.90	33,463.18	7,575.28
Sutton	755	1,043.58	312.00	230.20	1,585.78	1,388.05	.....
Tavistock	1,003	7,995.54	1,541.89	390.31	9,927.74	9,597.38	.....
Tecumseh	1,019	3,748.16	3,002.61	1,980.93	8,731.70	8,404.59	.....
Thamesford	P.V.	4,237.52	425.58	397.27	5,060.37	7,047.37	1,987.00
Thamesville	817	3,705.51	863.28	665.68	5,234.47	9,283.64	4,049.17
Thedford	583	3,012.00	552.22	1,296.94	4,861.16	6,412.76	1,551.60
Thorndale	P.V.	2,815.79	279.67	317.94	3,413.40	3,807.66	394.26
Thorold	5,243	11,577.19	9,370.15	599.71	21,547.05	27,985.79	6,438.74
Tilbury	1,851	8,194.46	1,801.69	1,029.09	11,025.24	18,826.25	7,801.01
Tillsonburg	3,027	16,991.51	6,459.45	2,052.68	25,503.64	32,997.28	7,493.64
Toronto	522,942	3134723.10	2069276.00	1471821.61	6675820.71	7253271.85	577,451.14
Toronto Twp.	.....	12,696.23	9,124.73	6,561.51	28,382.47	48,836.16	20,453.69
Vaughan Twp.	.....	1,709.28	571.75	2,665.34	4,946.37	7,825.82	2,879.45
Walkerville	7,303	145,618.19	44,801.12	21,177.13	211,596.44	230,275.76	18,679.32
Wallaceburg	3,921	33,106.79	9,975.99	2,681.20	45,763.98	60,094.93	14,330.95
Wardsville	212	918.26	150.86	619.28	1,688.40	2,091.65	403.25
Waterdown	815	5,641.58	1,836.22	1,504.45	8,982.25	10,617.92	1,635.67
Waterford	1,112	6,143.86	674.42	1,519.89	8,338.17	11,615.87	3,277.70
Waterloo	5,976	46,640.40	15,660.74	8,288.61	70,589.75	82,806.47	12,216.72
Watford	1,039	4,176.27	1,041.79	801.81	6,019.87	10,972.63	4,952.76
Welland	8,880	47,141.58	17,828.42	21,089.98	86,059.98	73,749.35	.....

**Total includes summer consumers.

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1923

SYSTEM—Continued

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1923
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	647.00	2,120.35	.....	208	88	4	.....	300	21.7	119.8
.....	846.00	1,326.21	.....	518	60	14	.....	592	**	101.8
.....	4,558.00	3,543.70	.....	1,234	202	53	.....	1,489	27.0	2,195.7
.....	111.00	662.46	.....	86	6	1	.....	93	.....	28.9
.....	178.00	691.84	.....	64	3	1	.....	68	.....	50.9
.....	720.00	4,210.38	.....	424	128	14	.....	566	24.9	288.7
.....	862.00	2,000.63	.....	492	21	5	.....	518	17.2	289.5
.....	89.40	770.23	.....	125	18	4	.....	147	.....	63.0
.....	288.00	2,267.05	.....	148	60	4	.....	212	28.0	80.4
.....	10,212.00	19,988.34	.....	4,598	445	105	.....	5,148	24.5	5,878.0
.....	135.00	197.37	.....	34	1	2	.....	37	45.1	37.5
.....	187.00	1,114.48	.....	100	26	4	.....	130	.....	87.1
.....	188.00	194.10	.....	69	23	2	.....	94	.....	51.4
.....	3,057.00	1,500.58	.....	874	198	42	.....	1,114	27.5	696.7
.....	9,642.00	21,548.53	.....	3,668	593	112	243	4,616	25.8	3,949.0
.....	10,042.00	14,992.24	.....	3,923	558	79	.....	4,560	30.6	4,544.2
.....	3,375.00	15,635.05	.....	2,552	172	25	.....	2,749	.....	1,096.6
.....	597.00	.....	298.54	504	110	12	.....	626	32.1	524.9
.....	1,356.00	2,967.45	.....	339	195	24	.....	558	14.1	601.8
.....	.....	689.70	.....	70	25	2	.....	97	22.4	26.8
.....	2,191.00	4,443.84	.....	856	12	11	.....	879	.....	754.6
.....	.....	229.90	.....	152	54	3	.....	209	19.2	87.0
15260.60	13,170.00	.....	28430.60	3,875	499	163	114	4,651	26.4	2,026.8
.....	1,821.00	5,754.28	.....	650	173	25	.....	848	32.2	552.2
197.73	.....	.....	197.73	160	34	1	.....	195	37.7	50.9
330.36	393.00	.....	723.36	200	66	4	.....	270	26.9	227.8
327.11	564.00	.....	891.11	302	33	1	.....	336	32.9	80.4
.....	274.00	1,713.00	.....	90	27	6	.....	123	.....	113.9
.....	384.00	3,665.17	.....	196	83	6	.....	285	34.8	88.4
.....	221.00	1,330.60	.....	105	36	2	.....	143	24.5	40.2
.....	137.00	257.26	.....	54	26	1	.....	81	.....	28.8
.....	1,861.00	4,577.74	.....	1,029	175	7	.....	1,211	23.0	600.5
.....	484.00	7,317.01	.....	255	97	11	.....	363	19.6	287.0
.....	1,758.17	5,735.47	.....	633	172	24	.....	829	27.3	570.2
.....	445394.52	132,056.62	.....	102040	15,702	2,596	.....	120338	23.0	121996.0
.....	3,459.00	16,994.69	.....	925	.....	13	.....	938	.....	537.4
.....	751.00	2,128.45	.....	63	14	5	15	97	.....	.....
.....	7,934.00	10,745.32	.....	1,796	246	72	.....	2,114	28.9	4,729.9
.....	1,890.00	12,440.95	.....	812	174	29	.....	1,015	25.8	1,040.2
.....	126.00	277.25	.....	43	16	2	.....	61	28.7	12.8
.....	977.00	658.67	.....	170	33	4	89	296	36.3	173.0
.....	596.00	2,681.70	.....	260	53	11	14	338	30.3	187.6
.....	5,292.00	6,924.72	.....	1,275	185	69	19	1,548	25.9	1,943.7
.....	400.00	4,552.76	.....	215	73	9	.....	297	28.5	97.0
12310.63	6,760.00	.....	19070.63	1,440	259	56	.....	1,755	19.7	1,983.18

STATEMENT

Condensed Operating Reports of Electrical Departments

NIAGARA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Wellesley	P.V.	5,950.70	595.10	607.92	7,153.72	7,846.15	692.43
West Lorne	803	8,278.26	987.80	274.45	9,540.51	11,730.01	2,189.50
Weston	3,299	47,309.20	9,863.64	3,910.19	61,083.03	69,502.11	8,419.08
Windsor	38,530	367,561.53	172,358.85	86,062.97	625,983.35	739,300.88	113,317.53
Woodbridge	679	5,536.29	1,081.44	353.40	6,971.13	8,455.59	1,484.46
Woodstock	10,164	68,322.41	18,580.13	5,881.45	92,783.99	109,320.06	16,536.07
Wyoming	489	2,305.28	411.38	921.06	3,637.72	4,324.73	687.01
Zurich	P.V.	3,584.28	427.55	143.54	4,155.37	5,366.35	1,210.98
Total	1149701 *	7331251.25	3402314.36	2302508.15	13036073.76	14529113.05	1531791.18

SEVERN

Alliston	1,321	6,854.29	1,921.26	2,824.22	11,599.77	13,299.15	1,699.38
Barrie	6,888	28,834.66	10,257.16	3,476.93	42,568.75	53,720.74	11,151.99
Beeton	586	5,672.01	519.87	1,088.92	7,280.80	7,846.46	565.66
Bradford	1,028	5,894.29	786.62	1,768.47	8,449.38	9,784.02	1,334.64
Coldwater	647	2,646.78	708.34	452.02	3,807.14	6,876.38	3,069.24
Collingwood	6,237	40,812.58	7,282.16	1,728.94	49,823.68	65,518.57	15,694.89
Cookstown	P.V.	1,957.54	392.82	1,235.07	3,585.43	4,008.93	423.50
Creemore	540	3,675.32	526.40	350.31	4,552.03	5,624.51	1,072.48
Elmvale	P.V.	4,719.86	891.69	295.28	5,906.83	7,893.80	1,986.97
Midland	7,022	38,679.92	10,280.00	6,726.63	55,686.55	75,750.99	20,064.44
Penetang	3,920	15,913.78	6,740.01	2,710.71	25,364.50	31,304.87	5,940.37
Port McNicoll	576	1,216.32	409.95	640.22	2,266.49	3,443.40	1,176.91
Stayner	1,004	4,199.20	947.42	942.33	6,088.95	8,699.14	2,610.19
Thornton	P.V.	1,181.82	119.46	729.02	2,030.30	1,978.18	.....
Tottenham	512	3,721.08	542.45	929.65	5,193.18	5,780.85	587.67
Victoria Harb'r	1,485	1,837.13	532.64	488.58	2,858.35	4,231.45	1,373.10
Waubaushene	P.V.	1,020.19	374.86	284.95	1,680.00	2,449.01	769.01
Total	33,766	168,836.77	43,233.11	26,672.25	238,742.13	308,210.45	69,520.44

*Police Villages taken as 500 Population and Townships as 2,000 Population.

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1923

SYSTEM—Continued

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1923
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	245.00	447.43	.....	91	33	3	.....	127	.....	152.8
.....	315.00	1,874.50	.....	143	55	3	.....	201	25.0	282.8
.....	3,004.00	5,415.08	.....	1,048	135	17	.....	1,200	36.3	1,769.71
.....	24,427.00	88,890.53	.....	10,252	1,441	311	1,769	13,773	35.7	14,960.0
.....	420.00	1,064.46	.....	151	49	6	1	207	30.4	286.3
.....	7,046.00	9,490.07	.....	2,314	421	84	.....	2,819	27.7	3,135.3
.....	255.00	432.01	.....	97	41	2	.....	140	28.6	42.8
.....	179.00	1,031.98	.....	75	43	4	2	124	.....	33.7
38751.89	786890.02	781,386.85	75237.58	242275	37,089	6,974	3,342	289680	.....	290162.59

SYSTEM

.....	846.00	853.38	.....	279	83	11	5	378	28.6	132.0
.....	1,092.00	10,059.99	.....	1,597	392	32	1	2,022	29.3	1,400.8
.....	367.00	198.66	.....	93	32	3	.....	128	21.8	101.8
.....	479.00	855.64	.....	137	49	3	.....	189	18.3	108.5
.....	378.00	2,691.24	.....	98	49	6	.....	153	23.6	96.5
.....	2,932.00	12,762.89	.....	1,230	254	59	2	1,545	24.7	1,300.2
.....	317.00	106.50	.....	81	26	1	.....	108	.....	37.5
.....	257.00	815.48	.....	126	55	6	.....	187	34.6	69.7
.....	374.00	1,612.97	.....	110	61	10	.....	181	.....	206.7
.....	4,187.00	15,877.44	.....	1,336	205	50	.....	1,591	22.6	1,710.5
.....	836.00	5,104.37	.....	438	99	33	.....	570	14.5	552.2
.....	216.00	960.91	.....	112	33	1	.....	146	25.3	65.0
.....	468.00	2,142.19	.....	253	54	8	.....	315	31.3	177.2
52.12	187.00	.....	239.12	38	10	.....	.....	48	.....	14.7
.....	269.00	318.68	.....	112	50	3	.....	165	32.2	40.8
.....	232.00	1,141.10	.....	127	38	.....	.....	165	11.1	52.2
.....	131.00	638.01	.....	90	19	4	.....	113	.....	36.1
52.12	13,568.00	56,139.44	239.12	6,257	1,509	230	8	8,004	.....	6,102.4

STATEMENT

Condensed Operating Reports of Electrical Departments

EUGENIA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Arthur	1,222	9,204.66	929.10	2,042.84	12,176.60	12,005.86	.....
Chatsworth	287	1,531.25	268.13	491.31	2,290.69	3,216.38	925.69
Chesley	1,803	13,721.78	1,954.90	2,309.26	17,985.94	21,052.70	3,066.76
Dundalk	725	4,391.12	576.52	291.69	5,259.33	7,410.25	2,150.92
Durham	1,622	12,258.65	1,906.17	2,446.44	16,611.26	22,909.68	6,298.42
Elmwood	P.V.	1,611.75	217.75	630.95	2,460.45	2,971.38	510.93
Flesherton	410	2,407.05	360.65	662.23	3,429.93	3,960.54	530.61
Grand Valley	583	5,120.19	413.33	802.03	6,335.55	7,910.69	1,575.14
Hanover	2,695	46,917.71	7,158.60	8,196.19	62,272.50	66,174.97	3,902.47
Holstein	P.V.	1,463.18	194.90	415.91	2,073.99	2,003.29	.....
Kincardine	2,159	12,973.87	4,629.90	5,475.40	23,079.17	25,217.27	2,138.10
Lucknow	887	5,804.45	652.76	1,640.39	8,097.60	9,186.52	1,088.92
Markdale	908	3,306.31	965.71	728.50	5,000.52	6,430.58	1,430.06
Mount Forest	1,761	10,024.61	2,420.20	1,985.68	14,430.49	18,197.12	3,766.63
Neustadt	445	6,861.13	639.59	1,499.38	9,000.10	9,386.07	385.97
Orangeville	2,503	12,836.51	2,341.19	3,132.49	18,310.19	20,549.81	2,239.62
Owen Sound	12,360	54,185.83	23,983.65	7,352.77	85,522.25	98,865.17	13,342.92
Paisley	749	1,269.58	163.63	240.21	1,673.42	1,810.56	137.14
Priceville	P.V.	695.47	50.00	675.99	1,421.46	1,071.12	.....
Ripley	P.V.	4,600.03	452.31	1,044.99	6,097.33	5,696.74	.....
Shelburne	1,101	7,332.98	862.20	1,630.45	9,825.63	12,874.48	3,048.85
Tara	521	3,877.59	650.03	1,492.18	6,019.80	6,717.69	697.89
Teeswater	838	6,585.01	550.85	2,867.37	10,003.23	9,587.67	.....
Wingham	2,470	18,498.64	5,143.81	6,651.34	30,293.79	33,995.83	3,702.04
Total	38,049	247,479.35	57,485.88	54,705.99	359,671.22	409,202.37	50,939.08

WASDELLS

Beaverton	986	6,534.11	1,464.39	1,422.04	9,420.54	14,538.08	5,117.54
Brechin	P.V.	2,421.50	368.24	431.23	3,220.97	3,372.83	151.86
Cannington	951	4,777.73	1,699.81	1,233.80	7,711.34	9,493.32	1,781.98
Kirkfield	P.V.	1,444.50	153.08	559.47	2,157.05	2,306.22	149.17
Port Perry	1,162	5,266.79	815.40	962.83	7,045.02	11,917.57	4,872.55
Sunderland	P.V.	3,427.84	533.15	1,146.65	5,107.64	6,490.94	1,383.30
Uxbridge	1,492	5,525.26	1,191.93	972.82	7,690.01	12,733.55	5,043.54
Woodville	455	3,873.91	461.11	680.47	5,015.49	7,014.54	1,999.05
Total	6,546	33,271.64	6,687.11	7,409.31	47,368.06	67,867.05	20,498.99

MUSKOKA

Gravenhurst	1,621	9,025.15	4,938.74	4,009.78	17,973.67	21,754.83	3,781.16
Huntsville	2,316	24,872.15	3,999.76	1,790.85	30,662.76	31,870.90	1,208.14
Total	3,937	33,897.30	8,938.50	5,800.63	48,636.43	53,625.73	4,989.30

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1923

SYSTEM

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1923
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
170.74	628.00	.....	798.74	140	76	4	.....	220	18.0	117.2
.....	152.00	773.69	.....	56	27	1	.....	84	29.2	34.3
.....	765.00	2,301.76	.....	293	90	18	5	406	22.5	410.0
.....	265.00	1,885.92	.....	122	74	4	.....	200	27.5	137.2
.....	690.00	5,608.42	.....	285	95	8	.....	388	23.9	186.4
.....	160.00	350.93	.....	34	18	1	.....	53	.....	40.8
.....	223.00	307.61	.....	91	41	1	.....	133	32.4	53.6
.....	323.00	1,252.14	.....	114	52	2	.....	168	28.8	73.9
.....	2,045.00	1,857.47	.....	564	104	17	4	689	25.5	779.6
70.70	76.00	.....	146.70	33	21	1	.....	55	.....	13.0
.....	1,144.00	994.10	.....	378	103	17	.....	498	23.0	241.8
.....	402.00	686.92	.....	155	69	2	.....	226	25.4	98.6
.....	413.00	1,017.06	.....	153	72	9	2	236	25.9	112.6
.....	890.00	2,876.63	.....	274	133	6	.....	413	23.4	281.6
.....	383.00	2.97	.....	68	29	5	.....	102	22.9	132.7
.....	925.00	1,314.62	.....	294	118	18	.....	430	17.1	273.4
.....	4,501.66	8,841.26	.....	2,410	475	107	.....	2,992	24.2	1,919.5
.....	.....	137.14	.....	101	39	1	.....	141	18.8	66.7
350.34	134.00	.....	484.34	19	8	.....	.....	27	.....	10.0
400.59	260.00	.....	660.59	74	44	1	1	120	.....	38.8
.....	581.00	2,467.85	.....	234	86	8	.....	328	29.7	199.6
.....	349.00	348.89	.....	84	37	5	2	128	24.2	52.9
415.56	410.00	.....	825.56	136	60	3	.....	199	23.7	129.9
.....	1,698.00	2,004.04	.....	410	156	23	.....	589	23.8	332.4
1,407.93	17,417.66	35,029.42	2,915.93	6,522	2,027	262	14	8,825	.....	5,736.5

SYSTEM

.....	422.00	4,695.54	.....	174	61	14	124	373	37.8	138.0
.....	86.00	65.86	.....	33	24	2	1	60	.....	44.2
.....	396.00	1,385.98	.....	194	72	12	3	281	29.5	109.9
.....	140.00	9.17	.....	22	17	1	.....	40	.....	26.8
.....	385.00	4,487.55	.....	216	62	8	.....	286	24.6	96.5
.....	176.00	1,207.30	.....	89	39	2	18	148	.....	81.7
.....	314.00	4,729.54	.....	178	76	11	.....	265	17.7	96.5
.....	126.00	1,873.05	.....	90	29	3	2	124	27.2	64.3
.....	2,045.00	18,453.99	.....	996	380	53	148	1,577	.....	657.9

SYSTEM

.....	1,463.00	2,318.16	.....	343	88	10	.....	441	27.2	486.7
.....	627.00	581.14	.....	425	98	8	.....	531	22.9	942.3
.....	2,090.00	2,899.30	.....	768	186	18	.....	972	.....	1,429.0

STATEMENT

Condensed Operating Reports of Electrical Departments

ST. LAWRENCE

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Alexandria	2,319	14,060.69	2,051.71	4,649.47	20,761.87	22,809.04	2,047.17
Apple Hill	P.V.	1,543.73	325.05	495.51	2,364.29	2,647.31	283.02
Brockville	9,377	44,794.60	19,575.68	13,363.17	77,733.45	131,831.34	54,097.89
Chesterville	941	9,802.42	1,479.88	619.01	11,901.31	15,756.53	3,855.22
Lancaster	612	4,363.86	354.46	1,087.84	5,806.16	3,987.18	.....
Martintown	P.V.	972.60	90.64	463.16	1,526.40	1,489.85	.....
Maxville	785	4,945.04	660.20	1,487.02	7,092.26	7,016.78	.....
Prescott	2,723	9,572.36	7,004.97	1,395.50	17,972.83	24,433.46	6,460.63
Williamsburg	P.V.	1,371.33	160.10	218.93	1,750.36	2,000.86	250.50
Winchester	1,058	5,358.43	1,402.38	671.14	7,431.95	11,137.13	3,705.18
Total	19,315	96,785.06	33,105.07	24,450.75	154,340.88	223,109.48	70,699.61

RIDEAU

Carleton Place	4,123	37,278.09	6,446.52	4,571.68	48,296.29	46,255.12	.....
Kemptville	1,220	6,545.73	1,584.26	1,759.65	9,889.64	15,724.98	5,835.34
Lanark	575	2,488.90	324.80	675.80	3,489.50	4,021.22	531.72
Perth	3,710	24,874.64	6,275.09	6,170.93	37,320.66	43,927.35	6,606.69
Smiths Falls	6,529	39,300.24	9,640.59	16,864.72	65,805.55	74,129.29	8,323.74
Total	16,157	110,487.60	24,271.26	30,042.78	164,801.64	184,057.96	21,297.49

THUNDER BAY

Port Arthur	15,629	299,178.18	59,352.51	32,708.95	391,239.64	484,295.08	93,055.44

OTTAWA

Ottawa	112,899	140,720.48	126,629.99	61,446.04	328,796.51	420,614.85	91,818.34

TRENT

Bloomfield	512	3,193.88	333.12	888.89	4,415.89	5,713.31	1,297.42
Havelock	1,258	3,694.55	1,258.18	2,821.84	7,774.57	9,196.15	1,421.58
Kingston	22,234	69,433.53	67,787.95	21,845.79	159,067.27	206,999.69	47,932.42
Lakefield	1,193	4,623.44	1,256.90	2,341.51	8,221.85	12,353.40	4,131.55
Marmora	792	1,760.44	452.80	1,570.59	3,783.83	5,573.79	1,789.96
Norwood	748	3,277.02	919.59	2,431.06	6,627.67	8,257.84	1,630.17
Omemee	485	6,028.12	603.09	1,047.25	7,678.46	8,319.47	641.01
Peterboro	21,439	108,159.18	53,618.68	22,458.16	184,236.02	204,122.94	19,886.92
Picton	3,263	16,326.60	6,571.22	338.69	23,236.51	36,740.97	13,504.46
Warkworth	P.V.	568.04	33.56	4.57	606.17	554.49	.....
Wellington	840	3,169.90	849.38	1,495.07	5,514.35	8,220.42	2,706.07
Whitby	1,801	16,884.34	6,037.71	4,753.44	27,675.49	32,895.97	5,220.48
Total	55,065	237,119.04	139,722.18	61,996.86	438,838.08	538,948.44	100,162.04

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1923

SYSTEM

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1923
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	705.00	1,342.17	.....	217	95	13	1	326	14.0	91.6
.....	101.00	182.02	.....	28	19	1	.....	48	.....	29.5
.....	3,147.00	50,950.89	.....	1,838	376	64	98	2,376	25.4	1,383.5
.....	362.00	3,493.22	.....	163	56	3	1	223	23.6	142.0
1,818.98	181.00	.....	1,999.98	70	22	1	.....	93	15.1	28.8
36.55	82.00	.....	118.55	24	12	.....	3	39	.....	15.0
75.48	331.00	.....	406.48	104	47	4	.....	155	19.7	85.8
.....	683.00	5,777.63	.....	473	147	20	.....	640	23.5	309.6
.....	82.00	168.50	.....	45	16	1	.....	62	.....	24.0
.....	142.00	3,563.18	.....	253	58	2	.....	313	29.5	116.6
1,931.01	5,816.00	65,477.61	2,525.01	3,215	848	109	103	4,275	.....	2,226.4

SYSTEM

2,041.17	1,390.00	.....	3,431.17	755	168	17	.....	940	22.7	927.1
.....	487.00	5,348.34	.....	224	70	6	.....	300	14.5	136.7
.....	144.00	387.72	.....	82	29	2	.....	113	19.6	38.8
.....	1,824.00	4,782.69	.....	681	183	20	.....	884	23.8	570.2
.....	3,892.00	4,431.74	.....	1,323	247	36	19	1,625	24.8	896.7
2,041.17	7,737.00	14,950.49	3,431.17	3,065	697	81	19	3,862	.....	2,569.5

SYSTEM

.....	13,500.00	79,555.44	.....	3,281	664	81	.....	4,026	25.7	18,231.0

SYSTEM

.....	46,726.00	45,092.34	.....	11,050	1,429	240	.....	12,719	11.2	13,137.0

SYSTEM

.....	243.00	1,054.42	.....	89	17	6	6	118	23.0	56.8
.....	550.00	871.58	.....	266	62	1	.....	329	26.1	88.2
.....	8,416.00	39,516.42	.....	3,917	832	133	.....	4,882	21.9	3,122.0
.....	571.00	3,560.55	.....	198	71	4	1	274	22.9	144.1
.....	330.00	1,459.96	.....	146	43	4	.....	193	24.3	51.4
.....	663.00	967.17	.....	178	70	3	.....	251	33.5	127.3
.....	357.00	284.01	.....	106	30	7	.....	143	29.4	156.3
.....	7,341.29	12,545.63	.....	4,966	743	124	.....	5,833	27.2	5,342.0
.....	854.00	12,650.46	.....	777	168	43	.....	988	30.2	404.8
51.68	.....	.....	51.68	39	26	.....	.....	65	.....	32.8
.....	422.00	2,284.07	.....	190	42	5	5	242	28.8	73.7
.....	1,245.78	3,974.70	.....	615	137	12	6	770	42.8	634.0
51.68	20,993.07	79,168.97	51.68	11,487	2,241	342	18	14,088	.....	10,233.4

STATEMENT

Condensed Operating Reports of Electrical Departments

ALL SYSTEMS

System	Population	Power purchased	Operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Niagara	1,149,701	7,331,251.25	3,402,314.36	2,302,508.15	13,036,073.76	14,529,113.05	1,531,791.18
Severn	33,766	168,836.77	43,233.06	26,672.25	238,742.13	308,210.45	69,520.44
Eugenia	38,049	247,479.35	57,485.88	54,705.99	359,671.22	409,202.37	50,939.08
Wasdells	6,546	33,271.64	6,687.11	7,409.31	47,368.06	67,867.05	20,498.99
Muskoka	3,937	33,897.30	8,938.50	5,800.63	48,636.43	53,625.73	4,989.30
St. Lawrence	19,315	96,785.06	33,105.07	24,450.75	154,340.88	223,109.48	70,699.61
Rideau	16,157	110,487.60	24,271.26	30,042.78	164,801.64	184,057.96	21,297.49
Thunder Bay	15,629	299,178.18	59,352.51	32,708.95	391,239.64	484,295.08	93,055.44
Ottawa	112,899	140,720.48	126,629.99	61,446.04	328,796.51	420,614.85	91,818.34
Trent	55,065	237,119.04	139,722.18	61,996.86	438,838.08	538,948.44	100,162.04
Grand Total	1,451,064	8,699,026.67	3,901,739.92	2,607,741.71	15,208,508.35	17,219,044.46	2,054,771.91

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1923

—SUMMARY

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1923
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
38,751.89	786,890.02	781,386.85	75,237.58	242,275	37,089	6,974	3,342	289,680	.....	290,162.59
52.12	13,568.00	56,139.44	239.12	6,257	1,509	230	8	8,004	.....	6,102.4
1,407.93	17,417.66	35,029.42	2,915.93	6,522	2,027	262	14	8,825	.....	5,736.5
.....	2,045.00	18,453.99	.....	996	380	53	148	1,577	.....	657.9
.....	2,090.00	2,899.30	.....	768	186	18	.....	972	.....	1,429.0
1,931.01	5,816.00	65,477.61	2,525.01	3,215	848	109	103	4,275	.....	2,226.4
2,041.17	7,737.00	14,950.49	3,431.17	3,065	697	81	19	3,862	.....	2,569.5
.....	13,500.00	79,555.44	.....	3,281	664	81	.....	4,026	.....	18,231.0
.....	46,726.00	45,092.34	.....	11,050	1,429	240	.....	12,719	.....	13,137.0
51.68	20,993.07	79,168.97	51.68	11,487	2,241	342	18	14,088	.....	10,233.4
44,235.80	916,782.75	1,178,153.85	84,400.49	288,916	47,070	8,390	3,652	348,028	.....	350,485.69

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM

Municipality Population	Acton 1,742	Agincourt P.V.	Ailsa Craig 547	Alvinston 659	Ancaster Township
EARNINGS					
	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,834.01	2,161.85	1,629.28	2,693.28	10,377.24
Commercial light	2,475.16	325.59	735.81	1,901.92	1,292.61
Commercial power	8,025.93	1,003.19	4,267.97	3,573.17	402.28
Municipal power	703.23	.....	.....	260.28	.....
Street lighting	2,058.45	450.00	624.00	1,918.92	864.00
Rural service	.....	.....	78.72	.....	.....
Miscellaneous	481.50	.....	.....	.....	.....
Total	19,578.28	3,940.63	7,335.78	10,347.57	12,936.13
EXPENSES					
Power purchased	11,322.43	1,090.80	5,460.34	4,870.24	4,163.09
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	2,355.11	7.40	31.99	145.27	1,271.73
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	245.83	22.25	95.85	42.92	216.33
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	818.59	362.33	183.07	297.64	1,679.77
Undistributed expenses	71.93	.....	.....	.....	.....
Interest	137.90	453.62	213.51	1,121.45	1,362.50
Sinking fund and principal payments on debentures	398.79	301.74	163.61	882.66	256.11
Total expenses	15,350.58	2,238.14	6,148.37	7,360.18	8,949.53
Gross surplus	4,227.70	1,702.49	1,187.41	2,987.39	3,986.60
Gross loss	.....	.....	.....	.....	.....
Depreciation	730.00	173.00	310.00	419.00	761.00
Net surplus	3,497.70	1,529.49	877.41	2,568.39	3,225.60
Net loss	.....	.....	.....	.....	.....

"C"

Hydro Municipalities for Year Ended December 31, 1923

Aylmer 2,251	Ayr 817	Baden P.V.	Beachville P.V.	Belle River 580	Blenheim 1,580	Bolton 658	Bothwell 613
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
8,741.34	2,300.13	1,361.82	965.48	3,134.84	5,270.86	2,510.07	2,500.63
5,923.53	1,288.55	445.92	607.21	926.81	3,574.09	1,097.96	1,162.60
2,607.18	2,592.40	7,221.43	11,924.75	523.08	4,953.38	2,421.67	6,301.83
729.67	.....	.....	.....	.....	.....	.....	152.00
2,620.00	1,102.50	610.00	495.00	1,500.00	2,527.00	960.00	1,007.39
.....	.....	.....	.....	.....	.....	2,284.91	.....
22.23	.....	28.86	252.49	.....	.....	.....	19.97
20,643.95	7,283.58	9,668.03	14,244.93	6,084.73	16,325.33	9,274.61	11,144.42
9,664.18	3,240.87	7,537.56	11,322.23	2,578.76	7,697.88	6,224.63	6,398.47
1,112.25	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
1,591.13	557.91	170.36	164.55	66.00	1,175.36	236.50	279.36
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
208.27	82.47	90.40	57.16	89.48	505.30	95.75	69.75
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
750.44	169.88	364.68	363.89	109.43	842.85	680.20	505.80
.....	.....	.....	.....	.....	.....	.....	.....
1,125.33	250.61	21.40	.....	747.18	784.49	1,088.97	980.61
749.38	709.41	128.72	136.93	.....	266.27	323.69	95.10
15,200.98	5,011.15	8,313.12	12,044.76	3,590.85	11,272.15	8,649.74	8,329.09
5,442.97	2,272.43	1,354.91	2,200.17	2,493.88	5,053.18	624.87	2,815.33
.....	.....	.....	.....	.....	.....	.....	.....
708.00	380.00	289.00	410.00	267.00	764.00	598.00	393.00
4,734.97	1,892.43	1,065.91	1,790.17	2,226.88	4,289.18	26.87	2,422.33
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Brampton	Brantford	Brantford Twp.	Brigden P.V.	Burford P.V.
Population	4,407	31,362			
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	17,807.01	89,693.75	12,509.06	1,507.04	3,507.24
Commercial light	7,879.71	22,236.86	2,287.03	1,500.06	1,795.05
Commercial power	18,014.77	82,095.73	6,776.71	1,474.22	994.82
Municipal power	1,177.80	30,203.26	.....	.....	.....
Street lighting	4,178.67	31,241.70	3,534.32	976.66	960.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	.77	19.65	77.13	.....
Total	49,057.96	255,472.07	25,126.77	5,535.11	7,257.11
EXPENSES					
Power purchased	37,024.93	157,242.10	9,879.88	3,811.02	3,154.04
Substation operation	1.38	4,986.79	.....	.....	.....
Substation maintenance	.....	817.96	.....	.....	.....
Distribution system, operation and maintenance	1,381.74	2,814.21	604.75	29.38	366.97
Line transformer maintenance	99.11	490.04	.....	.....	.....
Meter maintenance	3.05	1,147.79	.....	.....	.....
Consumers' premises expenses	.....	532.63	.....	.....	.....
Street lighting, operation and maintenance	351.68	5,515.78	334.61	51.22	128.02
Promotion of business	.....	2,789.04	.....	.....	.....
Billing and collecting	2,215.59	5,642.00	3,290.89	.....	.....
General office, salaries and expenses	2,552.40	8,140.73	480.59	463.71	401.56
Undistributed expenses	73.74	6,250.13	.....	.....	33.57
Interest	724.96	21,534.09	2,587.80	244 93	665.00
Sinking fund and principal payments on debentures	2,638.59	16,721.00	2,086.93	661.18	228.01
Total expenses	47,067.17	234,624.29	19,265.45	5,261.44	4,977.17
Gross surplus	1,990.79	20,847.78	5,861.32	273.67	2,279.94
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,202.00	13,108.00	1,387.00	214.00	264.00
Net surplus	788.79	7,739.78	4,474.32	59.67	2,015.94
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Burgessville P.V.	Caledonia 1,335	Chatham 15,084	Chippawa 1,029	Clinton 1,941	Comber P.V.	Dashwood P.V.	Delaware P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
855.50	1,481.52	58,371.93	3,901.58	6,253.49	1,743.06	954.89	829.73
246.85	1,828.29	37,988.73	750.34	4,001.92	1,524.22	713.16	525.39
1,147.62	1,377.07	77,481.55	1,537.85	6,861.78	4,527.76	1,384.67	.....
.....	.....	3,049.91	.....	835.18	.....	.....	.....
336.00	1,024.20	14,621.35	1,135.50	1,835.41	806.25	620.00	378.00
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	600.00	.....	540.12	.....	.....	.....
2,585.97	5,711.08	192,113.47	7,325.27	20,327.90	8,601.29	3,672.72	1,733.12
1,613.02	2,971.67	87,683.98	2,405.09	12,244.94	4,864.69	2,902.87	779.56
.....	.....	7,757.74	.....	.....	.....	.....	.....
.....	.....	1,306.02	.....	.....	.....	.....	.....
149.87	300.67	5,683.72	564.27	531.78	201.74	.....	7.59
.....	.....	239.10	.....	.....	.....	.....	.....
.....	.....	440.35	.....	.....	.....	.....	.....
.....	.....	296.59	.....	.....	.....	.....	.....
21.57	42.80	5,092.38	97.09	202.87	79.87	52.41	31.95
.....	.....	105.00	.....	.....	.....	.....	.....
.....	.....	5,962.79	.....	.....	.....	.....	.....
68.34	238.90	13,959.96	611.27	2,443.87	421.59	231.61	66 61
.....	.....	5,102.68	.....	.....	.....	.....	.....
165.90	168.19	16,110.77	807.01	1,822.67	339.91	171.19	157.95
143.15	134.33	6,181.87	398.28	972.49	344.75	64.69	88.97
2,161.85	3,856.56	155,922.95	4,883.01	18,218.62	6,252.55	3,422.77	1,132.63
424.12	1,854.52	36,190.52	2,442.26	2,109.28	2,348.74	249.95	600.49
.....	.....	.....	.....	.....	.....	.....	.....
107.00	358.00	7,792.00	397.00	1,062.00	247.00	128.00	98.00
317.12	1,496.52	28,398.52	2,045.26	1,047.28	2,101.74	121.95	502.49
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Dereham Twp.	Dorchester P.V.	Drayton 618	Dresden 1,456	Drumbo P.V.
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	.....	1,973.07	2,151.10	3,854.05	1,187.29
Commercial light	.....	465.45	1,530.46	3,073.85	728.82
Commercial power	.....	1,450.29	1,606.06	5,867.57	287.25
Municipal power	.....	.....	.....	.....	.....
Street lighting	.....	416.00	1,080.00	1,690.50	504.00
Rural service	9,409.81	.....	.....	.....	.....
Miscellaneous	.....	.....	.....	.....	1.19
Total	9,409.81	4,304.81	6,367.62	14,485.97	2,708.55
EXPENSES					
Power purchased	3,183.99	1,273.77	3,664.80	7,124.42	1,119.65
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	961.02	69.47	27.16	1,959.06	416.62
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	.....	79.03	67.40	121.19	103.69
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	268.43	274.55	295.66	704.98	214.36
Undistributed expenses	.....	.....	.....	15.33	.....
Interest	3,333.33	178.47	379.14	367.14	168.78
Sinking fund and principal payments on debentures	740.88	91.05	160.81	830.82	100.07
Total expenses	8,487.65	1,966.34	4,594.97	11,122.94	2,123.17
Gross surplus	922.16	2,338.47	1,772.65	3,363.03	585.38
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,295.00	256.00	270.00	617.00	143.00
Net surplus	.....	2,082.47	1,502.65	2,746.03	442.38
Net loss	372.84	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Dublin P.V.	Dundas 5,100	Dunnville 3,583	Dutton 845	Elmira 2,379	Elora 1,091	Embro 463	Etobicoke Twp.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
602.42	15,046.86	5,884.65	2,479.83	8,686.57	4,093.85	1,714.85	46,352.59
635.38	6,862.82	7,952.73	1,705.44	4,414.87	3,097.29	1,264.94	6,445.75
1,166.44	24,126.56	7,387.03	3,050.53	12,131.36	9,145.65	1,825.88	6,743.04
.....	415.56	2,865.38	.....	228.03	.....	.....	.....
720.00	3,806.60	4,617.53	1,128.69	2,081.00	1,302.25	819.43	6,196.56
.....	995.85	.....	.....	.....	.....	.....	.....
.....	227.33	322.08	45.04	150.74	303.87	.....	263.17
3,124.24	51,481.58	29,029.40	8,409.53	27,692.57	17,942.91	5,625.10	66,001.11
2,014.25	24,781.50	12,208.52	5,417.93	15,604.71	10,017.89	3,293.66	19,929.23
.....	.....	.....	.....	.....	.....	.....	.....
.....	111.89	.....	.....	.....	.....	.....	.....
133.93	1,836.68	1,328.20	139.72	1,656.02	1,739.33	46.68	4,667.27
.....	259.45	.....	.....	.....	.....	.....	.....
.....	364.15	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
69.97	647.15	213.44	177.78	185.29	151.55	82.81	755.86
.....	.....	.....	.....	.....	.....	.....	.....
.....	1,774.04	.....	.....	.....	.....	.....	.....
147.69	2,688.02	2,997.75	1,034.18	2,025.47	1,775.21	227.73	6,048.61
.....	2,159.11	.....	.....	40.00	.....	.....	2,083.75
327.18	2,157.81	3,917.99	205.98	929.05	481.15	382.39	8,784.01
255.65	1,242.68	1,139.28	190.82	427.40	466.46	242.83	2,448.96
2,948.67	38,022.48	21,805.18	7,166.41	20,867.94	14,631.59	4,276.10	44,717.69
175.57	13,459.10	7,224.22	1,243.12	6,824.63	3,311.32	1,349.00	21,283.42
.....	.....	.....	.....	.....	.....	.....	.....
155.00	1,075.00	1,775.00	360.00	1,093.00	800.00	284.00	4,750.00
20.57	12,384.10	5,449.22	883.12	5,731.63	2,511.32	1,065.00	16,533.42
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Exeter	Fergus	Ford City	Forest	Galt
Population	1,507	1,762	5,113	1,422	13,332
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	6,182.73	6,020.54	23,500.72	5,991.76	67,731.45
Commercial light	3,081.61	3,902.24	8,059.08	3,584.25	23,275.04
Commercial power	5,720.97	5,396.68	31,668.46	3,455.66	64,340.37
Municipal power	.....	793.38	.....	.....	7,089.25
Street lighting	2,049.94	2,002.25	1,725.33	2,317.06	19,872.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	365.23	.....	.....	483.47	3,600.00
Total	17,400.48	18,115.09	64,953.59	15,832.20	185,908.11
EXPENSES					
Power purchased	10,133.06	9,681.33	46,023.23	6,155.30	120,174.20
Substation operation	.....	.....	.....	.....	5,061.03
Substation maintenance	.....	.....	.....	.....	505.52
Distribution system, operation and maintenance	188.45	1,952.53	5,063.31	1,923.51	3,231.42
Line transformer maintenance	.....	.....	.....	.....	315.45
Meter maintenance	.....	.....	.....	.....	363.33
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	288.64	244.32	355.67	168.55	3,270.38
Promotion of business	.....	.....	.....	.....	4,638.58
Billing and collecting	.....	.....	.....	.....	2,632.97
General office, salaries and expenses	2,050.00	1,019.43	3,515.77	888.58	10,914.47
Undistributed expenses	.....	17.15	.....	.....	1,512.75
Interest	471.33	1,245.52	3,840.53	897.44	28,434.28
Sinking fund and principal payments on debentures	589.65	338.99	1,712.63	1,518.20	11,827.61
Total expenses	13,721.13	14,499.27	60,511.14	11,551.58	192,881.99
Gross surplus	3,679.35	3,615.82	4,442.45	4,280.62	.....
Gross loss	.....	.....	.....	.....	6,973.88
Depreciation	684.00	842.00	1,719.00	792.00	12,378.31
Net surplus	2,995.35	2,773.82	2,723.45	3,488.62	.....
Net loss	.....	.....	.....	.....	19,352.19

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Georgetown 2,098	Glencoe 835	Goderich 4,108	Grantham Twp.	Granton P.V.	Guelph 18,027	Hagersville 1,271
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,112.09	3,704.11	16,341.86	.....	1,170.46	58,659.14	2,917.04
3,404.54	2,609.05	8,663.03	.....	519.99	31,887.33	2,637.05
19,737.34	2,214.33	13,644.40	.....	1,851.57	93,297.52	16,144.66
567.13	.....	4,602.54	.....	.....	17,473.77	.....
2,122.00	2,214.00	4,622.59	.....	416.00	11,536.62	800.00
2,234.87	.....	.....	8,479.00	.....	.....	.....
497.97	118.62	.....	.....	.....	6,500.55	1.68
34,675.94	10,860.11	47,874.42	8,479.00	3,958.02	219,354.93	22,500.43
23,838.37	4,696.39	30,138.94	2,478.87	2,658.88	137,764.19	15,358.57
.....	.....	3,296.30	.....	.....	3,737.46	.....
.....	.....	.....	.....	.....	.....	.....
2,417.86	363.38	952.38	634.75	41.13	4,587.70	1,870.63
.....	.....	8.45	.....	.....	855.17	.....
.....	.....	83.40	.....	.....	2,551.73	.....
.....	.....	.....	.....	.....	.....	.....
120.36	181.47	209.61	.....	34.35	5,770.46	222.62
.....	.....	.....	.....	.....	.....	.....
.....	.....	672.37	.....	.....	5,657.96	.....
1,915.95	680.24	1,647.84	448.02	120.43	3,922.20	971.21
.....	.....	290.15	.....	.....	5,238.67	176.61
628.84	1,457.84	2,659.14	2,742.12	210.40	4,301.43	151.86
427.38	1,102.80	1,631.06	397.00	66.57	4,035.33	229.47
29,348.76	8,482.12	41,589.64	6,700.76	3,131.76	178,422.30	18,980.97
5,327.18	2,377.99	6,284.78	1,778.24	826.26	40,932.63	3,519.46
.....	.....	.....	.....	.....	.....	.....
1,525.00	491.00	2,960.00	1,021.20	143.00	9,661.00	454.00
3,802.18	1,886.99	3,324.78	757.04	683.26	31,271.63	3,065.46
.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Hamilton	Harriston	Hensall	Hespeler	Highgate
Population	118,243	1,311	738	2,853	417
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	356,342.84	3,762.07	2,591.25	9,891.17	1,185.36
Commercial light	94,431.49	2,633.19	1,507.49	3,506.05	930.54
Commercial power	277,107.52	6,659.88	1,611.38	13,876.75	2,032.28
Municipal power	46,358.35	597.48	.....	835.24	.....
Street lighting	83,195.22	1,037.00	975.00	1,982.12	630.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	22,765.73	.....	.....	22.10	.....
Total	880,201.15	14,689.62	6,685.12	30,113.43	4,778.18
EXPENSES					
Power purchased	536,174.43	9,986.49	3,400.76	15,247.26	2,841.95
Substation operation	27,072.63	.....	.....	709.27	.....
Substation maintenance	1,289.60	.....	.....	.....	.....
Distribution system, operation and maintenance	21,729.75	645.64	155.93	194.84	45.20
Line transformer maintenance	4,057.05	.....	.....	24.62	.....
Meter maintenance	11,816.37	.....	.....	.....	.....
Consumers' premises expenses	6,535.36	.....	.....	.....	.....
Street lighting, operation and maintenance	12,110.95	188.45	239.52	267.19	.....
Promotion of business	6,109.21	.....	.....	.....	.....
Billing and collecting	29,851.54	.....	.....	.....	.....
General office, salaries and expenses	35,885.30	591.70	737.47	3,222.42	235.21
Undistributed expenses	14,132.62	45.56	.....	565.21	.....
Interest	81,055.17	464.80	623.57	1,874.49	181.07
Sinking fund and principal payments on debentures	52,186.17	663.98	254.81	1,863.15	100.86
Total expenses	840,006.15	12,586.62	5,412.06	23,968.45	3,404.29
Gross surplus	40,195.00	2,103.00	1,273.06	6,144.98	1,373.89
Gross loss	.....	.....	.....	.....	.....
Depreciation	23,113.99	506.00	345.00	1,517.00	187.00
Net surplus	17,081.01	1,597.00	928.06	4,627.98	1,186.89
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Ingersoll 5,253	Kitchener 22,717	Lambeth P.V.	Listowel 2,429	London 59,784	Louth Twp.	Lucan 624	Lynden P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
19,687.29	83,773.70	2,521.75	10,337.16	267,105.90	.....	3,329.79	1,449.09
9,892.68	45,887.85	613.91	5,658.00	111,888.47	.....	1,062.78	422.70
25,377.73	176,597.52	345.37	10,011.23	302,158.45	.....	2,687.51	4,051.65
1,328.30	23,387.84	.....	992.16	29,673.89	.....	.....	.....
5,018.00	20,360.58	590.95	3,642.00	37,198.65	.....	1,094.33	462.00
.....	.....	.....	.....	5,156.53	941.17	84.63	.....
1,249.02	4,602.02	.....	21.94	29,873.32	.....	2.84	.....
62,553.02	354,609.51	4,071.98	30,662.49	783,055.21	941.17	8,261.88	6,385.44
38,917.76	239,577.35	2,083.02	16,122.12	460,908.16	.....	4,890.79	4,723.30
1,379.75	8,307.61	.....	.....	17,987.48	.....	.....	.....
.....	2,293.78	.....	.....	9,914.88	.....	.....	.....
1,775.33	14,616.75	146.87	745.25	7,357.05	119.06	772.05	2.50
133.76	948.70	.....	.....	4,162.72	.....	.....	.....
320.06	2,255.02	.....	.....	16,309.69	.....	.....	.....
.....	.....	.....	.....	5,195.27	.....	.....	.....
1,185.93	8,180.30	101.88	568.06	6,430.87	.....	92.85	16.97
.....	365.08	.....	.....	6,479.21	.....	.....	.....
1,602.42	6,320.17	.....	.....	18,763.95	.....	.....	.....
1,968.85	6,347.90	172.89	3,885.72	30,152.97	59.99	857.15	169.78
2,450.15	8,834.81	.....	22.05	22,636.21	.....	.....	.....
2,087.94	14,099.98	208.44	1,551.87	52,790.40	465.37	.....	208.16
1,677.35	10,077.59	71.77	2,175.39	35,298.02	58.26	391.29	89.86
53,499.30	322,225.04	2,784.87	25,070.46	694,386.88	702.68	7,004.13	5,210.57
9,053.72	32,384.47	1,287.11	5,592.03	88,668.33	238.49	1,257.75	1,174.87
.....	.....	.....	.....	.....	.....	.....	.....
2,762.00	16,100.36	195.00	1,352.00	50,448.31	90.76	390.00	152.00
6,291.72	16,284.11	1,092.11	4,240.03	38,220.02	147.73	867.75	1,022.87
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Markham	*Merlin P.V.	Merritton	Milton	Milverton
Population	970		2,589	1,900	1,054
EARNINGS					
	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,487.96	1,516.66	7,141.86	6,580.38	3,005.94
Commercial light	1,236.62	918.85	1,885.15	2,824.73	2,332.29
Commercial power	2,732.60	6,339.13	4,668.90	24,467.36	9,750.35
Municipal power	204.54	.....	.....	.....	256.34
Street lighting	1,725.00	658.13	2,234.00	1,833.32	1,054.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	.....	250.72	.....
Total	9,386.72	9,432.77	15,929.91	35,956.51	16,398.92
EXPENSES					
Power purchased	4,395.98	5,071.44	6,825.70	32,620.76	13,536.97
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,167.97	456.12	3,889.14	3,160.86	438.79
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	110.14	58.67	706.46	248.49	149.98
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	839.91	91.74	844.30	1,505.17	781.79
Undistributed expenses	.....	.....	263.58	.....	39.86
Interest	456.45	968.97	192.56	776.42	316.58
Sinking fund and principal payments on debentures	666.23	231.20	598.78	985.24	396.40
Total expenses	7,636.68	6,878.14	13,320.52	39,296.94	15,660.37
Gross surplus	1,750.04	2,554.63	2,609.39	.....	738.55
Gross loss	.....	.....	.....	3,340.43	.....
Depreciation	361.00	.....	630.00	398.00	445.00
Net surplus	1,389.04	2,554.63	1,979.39	.....	293.55
Net loss	.....	.....	.....	3,738.43	.....

*Eleven months' operation.

" C "—Continued

Hydro Municipalities for Year Ended December 31, 1923

Mimico 4,187	Mitchell 1,699	Moorefield P.V.	Mount Brydges P.V.	Newbury 301	New Hamburg 1,401	New Toronto 2,947	Niagara Falls 15,895
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
23,008.62	6,298.13	806.16	1,610.92	751.02	4,799.76	13,350.62	82,424.59
3,837.91	3,512.16	622.67	591.31	529.29	2,265.63	6,176.34	30,780.07
2,558.01	5,588.28	1,502.15	889.39	899.48	8,565.03	55,700.34	43,567.84
4,153.55	800.00	.....	.....	.....	.....	10,786.58	8,589.85
3,750.20	2,123.00	475.00	468.00	920.00	2,640.00	3,918.49	19,190.10
.....	.....	.....	.....	.....	.....	.....	.....
.....	632.23	.....	.....	.....	830.60	.....	1,218.55
37,308.29	18,953.80	3,405.98	3,559.62	3,099.79	19,101.02	89,932.37	185,771.00
23,877.73	9,569.91	2,476.93	1,602.06	1,460.09	11,182.64	73,211.65	88,978.78
.....	289.98	.....	.....	.....	.....	.....	6,071.18
.....	.....	.....	.....	.....	.....	.....	.....
4,661.34	587.42	85.12	202.65	3.91	1,957.16	5,168.46	1,789.96
.....	.....	.....	.....	.....	.....	.....	929.31
.....	.....	.....	.....	.....	.....	.....	3,729.58
.....	.....	.....	.....	.....	.....	.....	.....
691.67	279.15	106.16	81.47	13.35	103.85	547.00	2,658.16
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	4,658.61
3,212.49	2,039.35	70.26	80.37	55.26	1,271.55	2,826.43	6,495.98
281.22	.....	.....	.....	.....	.....	79.95	5,265.19
3,054.05	223.55	198.89	136.07	515.72	685.35	272.50	20,374.56
1,540.94	1,065.42	166.18	89.43	300.00	486.54	186.70	17,682.59
37,319.44	14,054.78	3,103.54	2,192.05	2,348.33	15,687.09	82,292.69	158,633.90
.....	4,899.02	302.44	1,367.57	751.46	3,413.93	7,639.68	17,137.10
11.15	.....	.....	.....	.....	.....	.....	.....
2,151.00	1,607.00	108.00	160.00	172.00	397.00	1,766.00	11,637.00
.....	3,292.02	194.44	1,207.57	579.46	3,016.93	5,873.68	15,500.10
2,162.15	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality Population	Niagara-on-the-Lake 1,714	Norwich 1,307	Oil Springs 491	Otterville P.V.	Palmerston 1,780
EARNINGS					
	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,842.89	5,986.24	972.72	1,529.99	5,671.62
Commercial light	2,505.01	2,756.49	644.31	718.74	3,681.80
Commercial power	653.65	1,888.11	12,635.26	1,350.81	4,958.78
Municipal power	1,735.77	1,179.41	.....	78.79	1,473.78
Street lighting	2,525.16	2,077.25	687.96	325.00	2,035.00
Rural service	.....	11,913.97	.....	.....	.....
Miscellaneous	.....	.....	245.00	.....	173.18
Total	13,262.48	25,801.47	15,185.25	4,003.33	17,994.16
EXPENSES					
Power purchased	4,814.78	10,591.46	8,372.37	*1,967.91	9,607.05
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	2,354.17	1,913.07	1,618.67	135.48	335.99
Line transformer maintenance	.....	398.04	.....	.....	.....
Meter maintenance	.....	143.46	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	385.91	394.16	.....	33.28	167.72
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	1,372.80	1,230.75	328.17	538.53	1,726.33
Undistributed expenses	.....	5,757.21	50.00	.....	194.99
Interest	382.56	190.05	1,256.83	84.63	.....
Sinking fund and principal payments on debentures	1,137.68	347.06	244.36	183.94	1,513.04
Total expenses	10,447.90	20,965.26	11,870.40	2,943.77	13,545.12
Gross surplus	2,814.58	4,836.21	3,314.85	1,059.56	4,449.04
Gross loss	.....	.....	.....	.....	.....
Depreciation	527.00	1,770.00	470.00	191.00	723.00
Net surplus	2,287.58	3,066.21	2,844.85	868.56	3,726.04
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Paris 4,400	Parkhill 1,201	Petrolia 2,911	Plattsville P.V.	Point Edward P.V.	Port Colborne 3,123	Port Credit 1,119	Port Dalhousie 1,424
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
14,594.85	3,437.57	7,555.96	1,585.59	3,348.43	11,719.01	5,294.45	7,401.61
5,202.93	2,028.44	5,170.26	915.67	1,332.94	5,524.34	1,781.95	1,851.11
14,633.96	1,523.46	23,303.44	330.98	4,906.53	3,265.74	1,097.15	2,318.60
1,225.00	503.75	6,648.95	.....	.....	933.99	246.32	.....
6,095.25	1,372.09	3,375.00	576.00	878.75	3,045.17	1,122.00	1,442.00
.....	.....	.....	.....	.....	.....	.....	921.87
749.81	.....	1,032.87	.....	.....	1,562.56	.....	.....
42,501.80	8,865.31	47,086.48	3,408.24	10,466.65	26,050.81	9,541.87	13,935.19
26,586.60	4,362.96	27,393.26	2,622.97	5,555.30	12,242.79	5,715.72	5,712.90
1,039.64	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
1,753.44	58.84	1,313.83	10.75	246.32	759.98	207.14	2,184.70
145.80	.....	209.82	.....	117.51	.....	.....	.....
86.07	.....	282.56	.....	103.48	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
514.66	33.28	437.00	53.00	168.76	413.72	76.79	170.92
.....	.....	.....	.....	.....	.....	.....	.....
362.94	.....	.....	.....	.....	.....	.....	.....
690.05	474.36	3,605.61	140.52	665.00	3,239.69	894.17	625.49
664.62	.....	1,200.88	.....	.....	343.00	.....	.....
2,139.53	747.69	2,066.88	281.81	456.73	3,572.47	161.43	1,099.45
4,544.85	411.84	1,281.32	116.47	286.10	1,692.83	193.10	835.84
38,528.20	6,088.97	37,791.16	3,225.52	7,599.20	22,264.48	7,248.35	10,629.30
3,973.60	2,776.34	9,295.32	182.72	2,867.45	3,786.33	2,293.52	3,305.89
.....	.....	.....	.....	.....	.....	.....	.....
3,193.00	417.00	1,737.00	169.00	430.00	1,268.00	605.00	470.00
780.60	2,359.34	7,558.32	13.72	2,437.45	2,518.33	1,688.52	2,835.89
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality Population	Port Dover 1,380	Port Stanley 717	Preston 5,547	Princeton P.V.	Queenston P.V.
EARNINGS					
	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,590.29	7,460.33	24,540.48	1,751.92	1,443.69
Commercial light	2,551.59	2,110.89	11,579.10	425.60	154.90
Commercial power	493.51	3,247.89	41,981.43	.....	579.52
Municipal power	445.15	685.52	936.00	.....	.....
Street lighting	2,644.50	2,036.70	5,173.24	420.00	630.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	3.50	205.17	.....	38.83
Total	9,725.04	15,544.83	84,415.42	2,597.52	2,846.94
EXPENSES					
Power purchased	4,030.54	8,736.04	52,542.42	1,441.72	875.53
Substation operation	.....	.....	4,108.58	.....	.....
Substation maintenance	.....	.....	1,004.76	.....	.....
Distribution system, operation and maintenance	303.59	891.81	3,228.37	33.50	30.58
Line transformer maintenance	.....	.....	305.26	.....	.....
Meter maintenance	.....	.....	596.42	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	74.81	518.25	791.06	64.16	28.37
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	1,083.30	.....	.....
General office, salaries and expenses	305.81	2,016.98	1,395.94	26.26	209.82
Undistributed expenses	.....	.....	1,554.27	.....	.....
Interest	1,601.51	705.27	4,885.54	179.48	602.27
Sinking fund and principal payments on debentures	641.43	504.27	4,817.80	78.94	230.53
Total expenses	6,957.69	13,372.62	76,313.72	1,824.06	1,977.10
Gross surplus	2,767.35	2,172.21	8,101.70	773.46	869.84
Gross loss	.....	.....	.....	.....	.....
Depreciation	647.00	846.00	4,558.00	111.00	178.00
Net surplus	2,120.35	1,326.21	3,543.70	662.46	691.84
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Ridgetown 2,267	Riverside 3,000	Rockwood P.V.	Rodney 756	St. Catharines 20,961	St. Clair Beach 82	St. George P.V.	St. Jacobs P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,138.35	14,832.01	1,835.72	2,005.79	77,332.47	719.63	1,729.11	1,576.05
3,501.55	1,430.38	508.88	1,373.87	15,293.23	1,836.97	764.20	600.18
5,223.91	1,490.49	1,332.84	1,933.14	77,224.26	316.19	2,383.66	147.82
833.31	.....	.....	.....	.....	.....	.....	.....
2,411.18	1,080.00	821.51	1,061.37	21,110.18	.....	350.00	480.00
.....	.....	.....	.....	.....	.....	.....	.....
1,202.28	.....	38.16	.....	1,117.61	.....	.....	.....
18,310.58	18,832.88	4,537.11	6,374.17	192,077.75	2,872.79	5,226.97	2,804.05
9,263.44	9,114.80	3,049.18	2,833.33	100,783.74	1,605.36	3,113.32	1,631.70
.....	.....	.....	.....	3,232.09	.....	.....	.....
.....	.....	.....	.....	982.10	.....	.....	.....
1,665.62	2,010.11	48.10	181.48	13,105.31	178.17	102.76	58.43
.....	.....	.....	.....	1,101.04	.....	.....	.....
.....	.....	.....	.....	2,510.85	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
206.06	491.10	147.66	118.20	3,359.22	.....	101.65	61.68
.....	.....	.....	.....	720.00	.....	.....	.....
.....	.....	.....	.....	4,626.86	.....	.....	.....
731.00	1,918.70	406.64	285.64	9,074.83	133.35	425.84	318.88
362.50	.....	.....	.....	4,087.10	.....	.....	.....
159.24	1,626.23	25.90	238.68	11,648.72	453.89	54.82	126.34
992.34	809.31	.....	161.79	6,645.55	169.65	127.10	224.92
13,380.20	15,970.25	3,677.48	3,819.12	161,877.41	2,540.42	3,925.49	2,421.95
4,930.38	2,862.63	859.63	2,555.05	30,200.34	332.37	1,301.48	382.10
.....	.....	.....	.....	.....	.....	.....	.....
720.00	862.00	89.40	288.00	10,212.00	135.00	187.00	188.00
4,210.38	2,000.63	770.23	2,267.05	19,988.34	197.37	1,114.48	194.10
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	St. Marys	St. Thomas	Sarnia	Scarboro Twp.	Seaforth
Population	4,039	17,892	14,905		1,950
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	16,151.56	56,710.63	69,562.83	40,972.43	7,854.34
Commercial light	6,372.72	27,924.54	31,650.47	5,163.61	3,879.71
Commercial power	15,226.72	61,783.59	99,326.62	6,481.65	6,622.57
Municipal power	1,586.14	12,168.10	.....	4,333.24	.....
Street lighting	4,040.00	14,595.04	12,076.58	3,600.77	1,722.00
Rural service	.....	4,750.25	.....	.....	.....
Miscellaneous	155.79	3,172.91	3,207.04	.....	8.95
Total	43,532.93	181,105.06	215,823.54	60,551.70	20,087.57
EXPENSES					
Power purchased	26,581.86	96,459.12	125,148.47	17,671.33	15,834.02
Substation operation	1,359.43	5,941.42	5,483.65	.....	.....
Substation maintenance	.....	610.86	528.96	.....	.....
Distribution system, operation and maintenance	1,258.34	5,554.80	7,764.18	7,296.59	1,543.80
Line transformer maintenance	89.66	300.05	489.55	.....	.....
Meter maintenance	420.58	531.31	2,579.49	.....	.....
Consumers' premises expenses	.....	181.03	.....	.....	.....
Street lighting, operation and maintenance	390.52	3,942.85	3,495.36	348.91	279.34
Promotion of business	.....	737.59	.....	.....	.....
Billing and collecting	466.08	5,294.08	3,627.49	.....	.....
General office, salaries and expenses	1,921.66	6,310.57	8,127.46	3,801.18	1,249.93
Undistributed expenses	1,228.23	14,570.04	8,143.55	200.00	.....
Interest	2,519.55	4,125.94	14,902.56	8,812.38	436.27
Sinking fund and principal payments on debentures	2,739.44	5,354.87	10,498.58	3,411.26	445.75
Total expenses	38,975.35	149,914.53	190,789.30	41,541.65	19,789.11
Gross surplus	4,557.58	31,190.53	25,034.24	19,010.05	298.46
Gross loss	.....	.....	.....	.....	.....
Depreciation	3,057.00	9,642.00	10,042.00	3,375.00	597.00
Net surplus	1,500.58	21,548.53	14,992.24	15,635.05	.....
Net loss	.....	.....	.....	.....	298.54

*Two months' operation.
†Three months' operation.

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Simcoe	Springfield	Stamford Twp.	*Stouffville	Stratford	Strathroy	†Sutton
3,951	432		1,115	17,611	2,627	847
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,973.09	1,389.91	18,250.90	454.12	86,303.19	10,366.64	622.21
6,398.76	651.05	1,022.41	329.49	26,090.64	5,985.14	217.53
7,438.18	666.82	10,171.53	43.42	25,519.47	12,460.15	65.31
997.10	.....	.....	.....	5,521.73	1,187.78	.....
3,166.50	800.00	3,986.66	488.75	17,297.17	3,205.66	483.00
.....	.....	.....	.....	5,211.20	.....	.....
.....	.....	484.74	.....	3,799.86	257.81	.....
22,973.63	3,507.78	33,916.24	1,315.78	169,743.26	33,463.18	1,388.05
12,870.90	1,785.41	12,037.05	773.42	132,724.25	17,544.53	1,043.58
.....	.....	.....	.....	4,127.90	.....	.....
171.49	.....	.....	.....	572.46	.....	.....
1,452.11	92.47	1,811.92	189.10	5,464.22	1,033.53	61.32
276.35	.....	.....	.....	350.65	.....	.....
19.50	.....	.....	.....	1,438.94	.....	.....
.....	.....	.....	.....	.....	.....	.....
425.85	32.93	471.09	13.95	4,889.55	673.59	74.60
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	3,763.11	.....	.....
923.49	262.99	4,764.55	109.41	4,596.90	3,777.40	176.08
65.25	.....	1,589.71	.....	2,085.07	.....	.....
1,597.76	111.57	4,170.74	.....	15,868.45	1,099.29	230.20
847.48	532.71	2,436.34	.....	9,122.36	1,759.56	.....
18,650.18	2,818.08	27,281.40	1,085.88	185,003.86	25,887.90	1,585.78
4,323.45	689.70	6,634.84	229.90	.....	7,575.28	.....
.....	.....	.....	.....	15,260.60	.....	197.73
1,356.00	.....	2,191.00	.....	13,170.00	1,821.00	.....
2,967.45	689.70	4,443.84	229.90	.....	5,754.28	.....
.....	.....	.....	.....	28,430.60	.....	197.73

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Tavistock	Tecumseh	Thamesford P.V.	Thamesville	Thedford
Population	1,003	1,019		817	583
EARNINGS					
	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,609.74	6,184.85	1,345.98	3,013.98	2,038.83
Commercial light	1,323.87	1,833.70	1,212.44	2,264.50	1,406.69
Commercial power	2,349.94	150.04	3,976.75	3,081.16	1,017.24
Municipal power	394.68	.....	.....	.....	.....
Street lighting	1,338.62	236.00	510.00	924.00	1,950.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	580.53	.....	2.20	.....	.....
Total	9,597.38	8,404.59	7,047.37	9,283.64	6,412.76
EXPENSES					
Power purchased	7,995.54	3,748.16	4,237.52	3,705.51	3,012.00
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,121.16	1,500.06	83.41	271.03	259.21
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	127.05	154.35	66.06	85.45	55.71
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	289.94	1,348.20	274.21	506.80	237.30
Undistributed expenses	3.74	.....	1.90	.....	.....
Interest	269.29	1,283.17	143.54	312.03	821.48
Sinking fund and principal payments on debentures	121.02	697.76	253.73	353.65	475.46
Total expenses	9,927.74	8,731.70	5,060.37	5,234.47	4,861.16
Gross surplus	.....	.....	1,987.00	4,049.17	1,551.60
Gross loss	330.36	327.11	.....	.....	.....
Depreciation	393.00	564.00	274.00	384.00	221.00
Net surplus	.....	.....	1,713.00	3,665.17	1,330.60
Net loss	723.36	891.11	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Thorndale P.V.	Thorold 5,243	Tilbury 1,851	Tillsonburg 3,027	Toronto 522,942	Toronto Twp.	Vaughan Twp.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,198.22	13,781.50	4,551.36	8,947.95	1,817,880.36	.....	1,677.29
711.94	5,453.59	4,461.85	7,538.05	1,776,961.73	.....	385.28
1,429.26	3,476.54	8,356.61	13,045.34	2,296,896.33	.....	3,149.36
.....	2,122.00	443.11	.....	772,049.38	.....	.....
468.24	3,131.00	1,013.32	2,925.35	400,889.62	170.50	238.00
.....	.....	.....	.....	.....	48,665.66	2,375.89
.....	21.16	.....	540.59	188,594.43	.....	.....
3,807.66	27,985.79	18,826.25	32,997.28	7,253,271.85	48,836.16	7,825.82
2,815.79	11,577.19	8,194.46	16,991.51	3,134,723.10	12,696.23	1,709.28
.....	3,331.89	.....	1,240.64	252,793.55	.....	.....
.....	.....	.....	.....	100,060.58	.....	.....
135.34	3,258.09	119.10	704.06	242,704.25	4,907.16	328.15
.....	.....	.....	339.43	48,306.08	.....	.....
.....	.....	.....	109.32	58,488.91	.....	.....
.....	.....	.....	.....	198,988.96	.....	.....
32.87	714.39	129.92	332.61	115,044.54	25.95	53.27
.....	.....	.....	26.85	150,245.47	.....	.....
.....	.....	.....	716.66	259,173.19	.....	.....
111.46	2,065.78	1,552.67	2,589.40	489,651.19	3,875.62	190.33
.....	.....	.....	400.48	153,819.28	316.00	.....
176.78	220.37	651.89	641.11	921,394.46	4,140.35	2,400.26
141.16	379.34	377.20	1,411.57	550,427.15	2,421.16	265.08
3,413.40	21,547.05	11,025.24	25,503.64	6,675,820.71	28,382.47	4,946.37
394.26	6,438.74	7,801.01	7,493.64	577,451.14	20,453.69	2,879.45
.....	.....	.....	.....	.....	.....	.....
137.00	1,861.00	484.00	1,758.17	445,394.52	3,459.00	751.00
257.26	4,577.74	7,317.01	5,735.47	132,056.62	16,994.69	2,128.45
.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Walkerville	Wallaceburg	Wardsville	Waterdown	Waterford
Population	7,303	3,921	212	815	1,112
Earnings					
	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	52,043.44	12,875.61	803.19	2,585.03	3,632.90
Commercial light	21,187.15	6,599.17	418.46	657.78	1,151.97
Commercial power	147,323.71	36,576.09	.....	1,329.07	4,302.25
Municipal power	.....	1,250.80	.....	.....	.....
Street lighting	6,519.67	2,745.35	870.00	711.67	1,219.57
Rural service	.....	.....	.....	5,334.37	1,114.73
Miscellaneous	3,201.79	47.91	.....	.....	194.45
Total	230,275.76	60,094.93	2,091.65	10,617.92	11,615.87
Expenses					
Power purchased	145,618.19	33,106.79	918.26	5,641.58	6,143.86
Substation operation	7,787.20	.....	.....	.....	.....
Substation maintenance	493.35	87.05	.....	.....	.....
Distribution system, operation and maintenance	3,367.61	1,305.33	4.08	1,061.48	526.15
Line transformer maintenance	1,820.11	260.67	.....	.....	.....
Meter maintenance	3,094.16	567.69	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	2,610.40	1,359.19	45.63	14.00	148.27
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	13,421.28	5,247.05	101.15	760.74	910.73
Undistributed expenses	12,207.01	1,149.01	.....	.....	609.16
Interest	12,203.37	1,726.14	388.75	1,013.02	.....
Sinking fund and principal payments on debentures	8,973.76	955.06	230.53	491.43	.....
Total expenses	211,596.44	45,763.98	1,688.40	8,982.25	8,338.17
Gross surplus	18,679.32	14,330.95	403.25	1,635.67	3,277.70
Gross loss	.....	.....	.....	.....	.....
Depreciation	7,934.00	1,890.00	126.00	977.00	596.00
Net surplus	10,745.32	12,440.95	277.25	658.67	2,681.70
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Waterloo	Watford	Welland	Wellesley P.V.	West Lorne	Weston	Windsor	Woodbridge
5,976	1,039	8,880		803	3,299	38,530	679
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
24,528.74	3,740.23	26,285.40	1,363.47	1,828.90	21,369.90	300,312.99	1,992.80
9,101.69	2,856.12	7,698.72	820.60	1,662.45	3,375.89	123,631.38	1,083.35
37,352.06	2,727.08	31,693.68	4,790.83	7,192.16	34,173.09	227,595.34	4,252.07
4,188.41	284.20	.....	.....	.....	2,379.73	18,564.49	165.45
6,791.64	1,365.00	7,973.76	871.25	1,046.50	8,012.75	58,396.21	847.00
.....	.....	.....	.....	.....	.....	.....	79.34
843.93	.....	97.79	.....	.....	190.75	10,800.47	35.58
82,806.47	10,972.63	73,749.35	7,846.15	11,730.01	69,502.11	739,300.88	8,455.59
46,640.40	4,176.27	47,141.58	5,950.70	8,278.26	47,309.20	367,561.53	5,536.29
2,686.62	.....	3,669.50	.....	.....	.....	32,422.23	.....
.....	.....	37.57	.....	.....	.....	8,094.41	.....
2,413.86	303.02	1,880.27	157.93	277.68	5,673.14	23,473.04	474.72
1.00	.....	175.50	.....	.....	.....	2,767.52	.....
625.88	.....	348.87	.....	.....	.....	3,479.73	.....
.....	.....	.....	.....	.....	.....	6,952.18	.....
1,602.34	148.96	752.88	69.17	144.98	1,462.12	29,236.75	217.54
.....	.....	.....	.....	.....	.....	3,225.13	.....
2,027.74	.....	2,481.04	.....	.....	.....	20,244.72	.....
5,796.70	589.81	5,379.97	368.00	565.14	2,728.38	22,145.47	389.18
506.60	.....	3,102.82	.....	.....	.....	20,317.67	.....
5,278.04	384.62	15,879.10	318.71	130.92	2,768.45	56,789.71	182.70
3,010.57	417.19	5,210.88	289.21	143.53	1,141.74	29,273.26	170.70
70,589.75	6,019.87	86,059.98	7,153.72	9,540.51	61,083.03	625,983.35	6,971.13
12,216.72	4,952.76	.....	692.43	2,189.50	8,419.08	113,317.53	1,484.46
.....	.....	12,310.63	.....	.....	.....	.....	.....
5,292.00	400.00	6,760.00	245.00	315.00	3,004.00	24,427.00	420.00
6,924.72	4,552.76	.....	447.43	1,874.50	5,415.08	88,890.53	1,064.46
.....	.....	19,070.63	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Woodstock 10,164	Wyoming 489	Zurich P.V.	NIAGARA SYSTEM SUMMARY
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	40,323.84	1,787.90	1,327.15	4,351,555.82
Commercial light	20,615.27	1,164.22	1,125.33	2,769,419.14
Commercial power	37,603.82	372.61	2,123.87	4,952,862.02
Municipal power	2,688.71	.....	.....	1,046,361.28
Street lighting	6,779.50	1,000.00	790.00	998,572.72
Rural service	.....	.....	.....	110,032.77
Miscellaneous	1,308.92	.....	.....	300,309.30
Total	109,320.06	4,324.73	5,366.35	14,529,113.05
EXPENSES				
Power purchased	68,322.41	2,305.28	3,584.28	7,331,251.25
Substation operation	2,347.67	.....	.....	419,342.86
Substation maintenance	.....	.....	.....	128,883.24
Distribution system, operation and maintenance	4,188.76	113.77	.....	499,637.14
Line transformer maintenance	.....	.....	.....	69,976.97
Meter maintenance	514.71	.....	.....	115,326.45
Consumers' premises expenses	.....	.....	.....	218,682.02
Street lighting, operation and maintenance	1,503.81	49.37	95.85	242,616.51
Promotion of business	.....	.....	.....	175,441.16
Billing and collecting	3,419.40	.....	.....	396,331.91
General office, salaries and expenses	4,116.42	248.24	331.70	823,004.08
Undistributed expenses	2,489.36	.....	.....	314,701.43
Interest	4,644.46	504.09	41.39	1,429,554.88
Sinking fund and principal payments on debentures	1,236.99	416.97	102.15	871,323.86
Total expenses	92,783.99	3,637.72	4,155.37	13,036,073.76
Gross surplus	16,536.07	687.01	1,210.98	1,493,039.29
Gross loss	.....	.....	.....	.....
Depreciation	7,046.00	255.00	179.00	786,890.02
Net surplus	9,490.07	432.01	1,031.98	706,149.27
Net loss	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

SEVERN SYSTEM

Alliston	Barrie	Beeton	Bradford	Coldwater	Collingwood	Cookstown P.V.	Creemore
1,321	6,888	586	1,028	647	6,237		540
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,951.34	24,779.83	2,369.07	3,986.23	2,034.86	19,139.43	2,024.44	1,859.32
3,295.53	10,564.19	1,445.83	2,477.31	1,460.25	8,457.52	811.29	1,406.94
1,357.24	10,528.02	3,037.04	1,846.28	2,841.27	31,337.89	53.20	1,747.29
559.04	.....	.....	.....	.....	1,649.51	.....	.....
1,998.00	3,995.27	992.00	1,474.20	540.00	3,881.08	1,120.00	610.96
.....	19.39	.....	.....	.....	.....	.....	.....
138.00	3,834.04	2.52	.....	.....	1,053.14	.....	.....
13,299.15	53,720.74	7,846.46	9,784.02	6,876.38	65,518.57	4,008.93	5,624.51
6,854.29	28,834.66	5,672.01	5,894.29	2,646.78	40,812.58	1,957.54	3,675.32
.....	.....	.....	.....	.....	42.31	.....	.....
.....	324.69	.....	.....	.....	40.98	.....	.....
904.92	2,684.32	101.45	392.90	513.86	1,217.85	200.90	66.24
.....	122.47	.....	.....	.....	216.50	.....	.....
.....	382.52	.....	.....	.....	37.48	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
204.51	1,462.23	57.77	76.74	31.95	321.09	46.60	42.49
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	1,902.34	.....	.....
811.83	4,307.31	360.65	316.98	162.53	3,304.33	145.32	417.67
.....	973.62	.....	.....	.....	199.28	.....	.....
1,965.15	1,307.87	814.49	1,438.27	295.55	.....	780.90	68.69
859.07	2,169.06	274.43	330.20	156.47	1,728.94	454.17	281.62
11,599.77	42,568.75	7,280.80	8,449.38	3,807.14	49,823.68	3,585.43	4,552.03
1,699.38	11,151.99	565.66	1,334.64	3,069.24	15,694.89	423.50	1,072.48
.....	.....	.....	.....	.....	.....	.....	.....
846.00	1,092.00	367.00	479.00	378.00	2,932.00	317.00	257.00
853.38	10,059.99	198.66	855.64	2,691.24	12,762.89	106.50	815.48
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

SEVERN
SYSTEM—Continued

Municipality Population	Elmvale P.V.	Midland 7,022	Penetang 3,920	Port McNicoll 576
EARNINGS				
	$ c.	$ c.	$ c.	$ c.
Domestic service	1,518.13	22,525.81	7,858.45	1,769.16
Commercial light	1,476.20	9,848.44	4,003.70	1,095.31
Commercial power	4,129.47	36,590.63	15,177.84	80.81
Municipal power	.....	2,876.11	2,358.83	.....
Street lighting	770.00	3,910.00	1,850.00	494.00
Rural service	.....	.....	.....	.....
Miscellaneous	.....	.....	56.05	4.12
Total	7,893.80	75,750.99	31,304.87	3,443.40
EXPENSES				
Power purchased	4,719.86	38,679.92	15,913.78	1,216.32
Substation operation	.....	1,969.99	1,931.88	.....
Substation maintenance	.....	98.68	.....	.....
Distribution system, operation and maintenance	551.94	1,579.05	373.55	250.38
Line transformer maintenance	.....	564.06	173.77	.....
Meter maintenance	.....	472.72	23.39	.....
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	56.05	589.27	572.87	80.21
Promotion of business	.....	.....	.....	.....
Billing and collecting	.....	658.75	320.50	.....
General office, salaries and expenses	283.70	3,190.98	3,344.05	79.36
Undistributed expenses	.....	1,156.50	.....	.....
Interest	123.66	3,242.08	1,476.33	372.75
Sinking fund and principal payments on debentures	171.62	3,484.55	1,234.38	267.47
Total expenses	5,906.83	55,686.55	25,364.50	2,266.49
Gross surplus	1,986.97	20,064.44	5,940.37	1,176.91
Gross loss	.....	.....	.....	.....
Depreciation	374.00	4,187.00	836.00	216.00
Net surplus	1,612.97	15,877.44	5,104.37	960.91
Net loss	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Stayner 1,004	Thornton P.V.	Tottenham 512	Victoria Harbour 1,485	Waubaushene P.V.	SEVERN SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,169.66	879.09	2,572.00	2,103.49	1,315.55	105,855.86
1,805.88	259.09	1,317.92	1,434.96	483.29	51,643.65
2,830.60	.....	665.93	.....	270.17	112,493.68
.....	.....	.....	.....	.....	7,443.49
893.00	840.00	1,225.00	693.00	380.00	25,666.51
.....	.....	.....	.....	.....	19.39
.....	.....	.....	.....	.....	5,087.87
8,699.14	1,978.18	5,780.85	4,231.45	2,449.01	308,210.45
4,199.20	1,181.82	3,721.08	1,837.13	1,020.19	168,836.77
.....	.....	.....	.....	.....	3,944.18
.....	.....	.....	.....	.....	464.35
481.79	.....	308.18	158.42	48.60	9,834.35
.....	.....	.....	.....	.....	1,076.80
.....	.....	.....	.....	.....	916.11
.....	.....	.....	.....	.....	.....
99.84	15.97	25.61	34.18	33.28	3,750.66
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	2,881.59
352.95	103.49	208.66	340.04	292.98	18,022.83
12.84	.....	.....	.....	.....	2,342.24
336.17	491.67	756.76	217.41	141.88	13,829.63
606.16	237.35	172.89	271.17	143.07	12,842.62
6,088.95	2,030.30	5,193.18	2,858.35	1,680.00	238,742.13
2,610.19	.....	587.67	1,373.10	769.01	69,468.32
.....	52.12	.....	.....	.....	.....
468.00	187.00	269.00	232.00	131.00	13,568.00
2,142.19	.....	318.67	1,141.10	638.01	55,900.32
.....	239.12	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

EUGENIA SYSTEM

Municipality	Arthur	Chatsworth	Chesley	Dundalk	Durham
Population	1,222	287	1,803	725	1,622
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,104.17	1,163.89	6,036.92	1,951.86	4,592.86
Commercial light	3,044.35	743.79	4,201.13	1,764.69	3,200.58
Commercial power	3,990.58	611.70	7,503.74	2,829.70	13,672.42
Municipal power	.....	.....	1,377.59	.....	.....
Street lighting	1,866.76	697.00	1,686.28	864.00	1,443.82
Rural service	.....	.....	165.99	.....	.....
Miscellaneous	.....	.....	81.05	.....	.....
Total	12,005.86	3,216.38	21,052.70	7,410.25	22,909.68
EXPENSES					
Power purchased	9,204.66	1,531.25	13,721.78	4,391.12	12,258.65
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	202.62	27.55	860.26	142.82	230.56
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	215.07	60.21	130.17	72.86	172.61
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	511.41	180.37	883.52	360.84	1,247.89
Undistributed expenses	.....	.....	80.95	.....	255.11
Interest	1,683.31	310.94	1,194.14	83.09	1,094.97
Sinking fund and principal payments on debentures	359.53	180.37	1,115.12	208.60	1,351.47
Total expenses	12,176.60	2,290.69	17,985.94	5,259.33	16,611.26
Gross surplus	.....	925.69	3,066.76	2,150.92	6,298.42
Gross loss	170.74	.....	.....	.....	.....
Depreciation	628.00	152.00	765.00	265.00	690.00
Net surplus	.....	773.69	2,301.76	1,885.92	5,608.42
Net loss	798.74	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Elmwood P.V.	Flesherton 410	Grand Valley 582	Hanover 2,695	Holstein P.V.	Kincardine 2,159	Lucknow 887	Markdale 908
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
693.42	1,311.25	2,599.23	11,073.20	686.19	8,953.34	3,135.27	2,516.70
463.03	1,145.06	2,322.94	5,016.69	672.39	4,829.19	2,605.21	1,872.20
1,329.93	424.53	2,042.86	46,729.25	154.63	6,007.67	1,878.04	928.68
.....	.....	.....	317.15	.....	1,534.42	.....	.....
485.00	736.00	938.00	2,991.84	490.08	3,521.00	1,568.00	896.26
.....	343.70	.....	46.84	.....	.....	.....	216.74
.....	.....	7.66	.....	.....	371.65	.....	.....
2,971.38	3,960.54	7,910.69	66,174.97	2,003.29	25,217.27	9,186.52	6,430.58
1,611.75	2,407.05	5,120.19	46,917.71	1,463.18	12,973.87	5,804.45	3,306.31
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
5.92	42.02	75.53	4,477.69	21.62	1,019.13	159.47	211.01
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
27.32	109.17	78.70	399.58	15.99	544.45	69.12	128.59
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
184.51	209.46	259.10	1,896.30	157.29	2,963.32	424.17	626.11
.....	.....	.....	385.03	.....	103.00	.....	.....
369.51	471.17	377.85	5,304.22	290.76	3,540.04	1,089.25	557.35
261.44	191.06	424.18	2,891.97	125.15	1,935.36	551.14	171.15
2,460.45	3,429.93	6,335.55	62,272.50	2,073.99	23,079.17	8,097.60	5,000.52
510.93	530.61	1,575.14	3,902.47	.....	2,138.10	1,088.92	1,430.06
.....	.....	.....	.....	70.70	.....	.....	.....
160.00	223.00	323.00	2,045.00	76.00	1,144.00	402.00	413.00
350.93	307.61	1,252.14	1,857.47	.....	994.10	686.92	1,017.06
.....	.....	.....	.....	146.70	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

EUGENIA
SYSTEM—Continued

Municipality Population	Mount Forest 1,761	Neustadt 445	Orangeville 2,503	Owen Sound 12,360	Paisley 749
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,894.10	1,388.03	5,162.41	35,771.38	681.17
Commercial light	5,472.11	1,099.61	5,015.83	19,593.46	591.08
Commercial power	3,518.14	5,923.43	5,956.94	32,189.46	81.81
Municipal power	1,558.63	.....	342.00	.....	.....
Street lighting	2,754.14	975.00	3,865.40	11,015.75	456.50
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	207.23	295.12	.....
Total	18,197.12	9,386.07	20,549.81	98,865.17	1,810.56
EXPENSES					
Power purchased	10,024.61	6,861.13	12,836.51	54,185.83	1,269.58
Substation operation	.....	.....	.....	4,982.27	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	989.39	67.36	1,357.47	4,830.32	76.76
Line transformer maintenance	.....	.....	.....	38.15	.....
Meter maintenance	.....	.....	.....	2,811.13	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	298.09	117.47	293.92	666.04	.....
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	2,432.73	.....
General office, salaries and expenses	1,040.50	454.76	689.80	6,607.52	86.87
Undistributed expenses	92.22	.....	.....	1,615.49	.....
Interest	1,124.80	911.75	1,585.67	2,286.21	240.21
Sinking fund and principal payments on debentures	860.88	587.63	1,546.82	5,066.56	.....
Total expenses	14,430.49	9,000.10	18,310.19	85,522.25	1,673.42
Gross surplus	3,766.63	385.97	2,239.62	13,342.92	137.14
Gross loss	.....	.....	.....	.....	.....
Depreciation	890.00	383.00	925.00	4,501.66	.....
Net surplus	2,876.63	2.97	1,314.62	8,841.26	137.14
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

Priceville P.V.	Ripley P.V.	Shelburne 1,101	Tara 521	Teeswater 838	Wingham 2,470	EUGENIA SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
415.95	1,509.93	4,535.60	2,074.95	2,890.60	8,068.34	115,210.76
182.67	1,742.65	3,545.17	1,573.28	2,030.58	7,663.32	80,391.01
.....	1,094.16	3,166.32	1,102.58	3,011.49	11,951.79	156,099.85
.....	.....	512 64	.....	.....	249.86	5,892.29
472.50	1,300.50	1,114.75	1,833.30	1,655.00	4,503.13	48,130.01
.....	49.50	.....	133.58	.....	.....	956.35
.....	.....	.....	.....	.....	1,559.39	2,522.10
1,071.12	5,696.74	12,874.48	6,717.69	9,587.67	33,995.83	409,202.37
695.47	4,600.03	7,332.98	3,877.59	6,585.01	18,498.64	247,479.35
.....	.....	.....	.....	.....	.....	4,982.27
.....	.....	.....	.....	.....	.....	.....
20.00	40.46	52.16	161.58	197.15	3,647.15	18,916.00
.....	.....	.....	.....	.....	.....	38.15
.....	.....	.....	.....	.....	.....	2,811.13
.....	.....	.....	.....	.....	.....	.....
5.00	71.82	21.99	92.24	102.79	214.17	3,907.37
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	2,432.73
25.00	340.03	788.05	396.21	250.91	1,246.49	21,830.43
.....	.....	.....	.....	.....	36.00	2,567.80
470.64	855.26	826.68	940.24	1,764.15	3,830.50	31,202.71
205.35	189.73	803.77	551.94	1,103.22	2,820.84	23,503.28
1,421.46	6,097.33	9,825.63	6,019.80	10,003.23	30,293.79	359,671.22
.....	.....	3,048.85	697.89	.....	3,702.04	49,531.15
350.34	400.59	.....	.....	415.56	.....	.....
134.00	260.00	581.00	349.00	410.00	1,698.00	17,417.66
.....	.....	2,467.85	348.89	.....	2,004.04	32,113.49
484.34	660.59	.....	.....	825.56	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

WASDELLS SYSTEM

Municipality Population	Beaverton 986	Brechin P.V.	Cannington 951	Kirkfield P.V.	Port Perry 1,162
EARNINGS					
	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,420.22	955.78	4,265.22	450.84	5,722.85
Commercial light	2,291.72	841.46	2,380.92	925.77	3,270.27
Commercial power	4,608.61	1,201.16	1,148.35	514.85	735.45
Municipal power	.....	.....	.....	.....	.....
Street lighting	1,088.34	224.43	1,257.00	414.76	2,189.00
Rural service	2,129.19	.....	441.83	.....	.....
Miscellaneous	.....	150.00	.....	.....	.....
Total	14,538.08	3,372.83	9,493.32	2,306.22	11,917.57
EXPENSES					
Power purchased	6,534.11	2,421.50	4,777.73	1,444.50	5,266.79
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,092.13	249.86	1,223.39	107.62	402.74
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	42.77	31.94	89.28	31.94	3.20
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	329.49	86.44	320.43	13.52	409.46
Undistributed expenses	.....	.....	66.71	.....	.....
Interest	1,088.54	373.00	882.38	376.21	962.83
Sinking fund and principal payments on debentures	333.50	58.23	351.42	183.26	.....
Total expenses	9,420.54	3,220.97	7,711.34	2,157.05	7,045.02
Gross surplus	5,117.44	151.86	1,781.98	149.17	4,872.55
Gross loss	.....	.....	.....	.....	.....
Depreciation	422.00	86.00	396.00	140.00	385.00
Net surplus	4,695.44	65.86	1,385.98	9.17	4,487.55
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

				MUSKOKA SYSTEM		
Sunderland P.V.	Uxbridge 1,492	Woodville 455	WASDELLS SYSTEM SUMMARY	Gravenhurst 1,621	Huntsville 2,316	MUSKOKA SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,879.48	4,320.73	2,068.96	24,084.08	5,748.58	9,446.17	15,194.75
1,441.09	4,131.97	1,346.33	16,629.53	3,967.40	5,446.44	9,413.84
804.86	1,424.26	1,855.48	12,293.02	9,809.11	13,755.58	23,564.69
.....	.....	.....	.....	.....	1,083.33	1,083.33
551.25	2,856.59	720.00	9,301.37	2,058.49	1,898.00	3,956.49
1,814.26	.....	1,023.77	5,409.05	.....	.....	.....
.....	.....	.....	150.00	171.25	241.38	412.63
6,490.94	12,733.55	7,014.54	67,867.05	21,754.83	31,870.90	53,625.73
3,427.84	5,525.26	3,873.91	33,271.64	9,025.15	24,872.15	33,897.30
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
405.65	466.30	429.25	4,376.94	2,509.43	1,422.94	3,932.37
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
23.68	119.84	20.95	363.60	389.82	87.75	477.57
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
103.82	605.79	10.91	1,879.86	2,039.49	2,489.07	4,528.56
.....	.....	.....	66.71	.....	.....	.....
962.71	972.82	544.17	6,162.66	1,805.46	715.70	2,521.16
183.94	.....	136.30	1,246.65	2,204.32	1,075.15	3,279.47
5,107.64	7,690.01	5,015.49	47,368.06	17,973.67	30,662.76	48,636.43
1,383.30	5,043.54	1,999.05	20,498.99	3,781.16	1,208.14	4,989.30
.....	.....	.....	.....	.....	.....	.....
176.00	314.00	126.00	2,045.00	1,463.00	627.00	2,090.00
1,207.30	4,729.54	1,873.05	18,453.99	2,318.16	581.14	2,899.30
.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

ST. LAWRENCE SYSTEM

Municipality Population	Alexandria 2,319	Apple Hill P.V.	Brockville 9,377	Chesterville 941
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	5,155.02	688.47	35,622.98	4,098.45
Commercial light	4,592.49	609.54	26,034.58	3,209.30
Commercial power	7,719.05	659.30	45,570.09	7,343.78
Municipal power	1,692.08	.....	11,050.69	.....
Street lighting	3,250.00	690.00	13,553.00	1,105.00
Rural service	.....	.....	.....	.....
Miscellaneous	400.40	.....	.....	.....
Total	22,809.04	2,647.31	131,831.34	15,756.53
EXPENSES				
Power purchased	14,060.69	1,543.73	44,794.60	9,802.42
Substation operation	.....	.....	7,260.61	.....
Substation maintenance	.....	.....	.....	.....
Distribution system, operation and maintenance	793.13	61.65	2,061.70	1,099.03
Line transformer maintenance	.....	.....	.....	.....
Meter maintenance	.....	.....	1,978.02	.....
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	137.03	33.35	621.49	57.14
Promotion of business	.....	.....	504.46	.....
Billing and collecting	.....	.....	943.30	.....
General office, salaries and expenses	1,121.55	230.05	3,944.88	183.94
Undistributed expenses	.....	.....	2,261.22	139.77
Interest	2,504.26	351.43	7,647.76	354.95
Sinking fund and principal payments on debentures	2,145.21	144.08	5,715.41	264.06
Total expenses	20,761.87	2,364.29	77,733.45	11,901.31
Gross surplus	2,047.17	283.02	54,097.89	3,855.22
Gross loss	.....	.....	.....	.....
Depreciation	705.00	101.00	3,147.00	362.00
Net surplus	1,342.17	182.02	50,950.89	3,493.22
Net loss	.....	.....	.....	.....

" C "—Continued

Hydro Municipalities for Year Ended December 31, 1923

Lancaster 612	Martintown P.V.	Maxville 785	Prescott 2,723	Williamsburg P.V.	Winchester 1,058	ST. LAWRENCE SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,557.48	571.65	2,140.40	8,617.09	893.22	6,124.53	65,469.29
951.36	433.07	2,222.09	4,947.78	530.32	2,558.82	46,089.35
78.34	.....	855.46	4,418.86	217.32	829.65	67,691.85
.....	.....	.....	1,941.73	.....	.....	14,684.50
1,400.00	375.00	1,798.83	4,508.00	360.00	1,521.00	28,560.83
.....	110.13	.....	.....	.....	.....	110.13
.....	.....	.....	.....	.....	103.13	503.53
3,987.18	1,489.85	7,016.78	24,433.46	2,000.86	11,137.13	223,109.48
4,363.86	972.60	4,945.04	9,572.36	1,371.33	5,358.43	96,785.06
.....	.....	.....	1,505.48	.....	.....	8,766.09
.....	.....	.....	15.68	.....	.....	15.68
104.90	30.50	454.09	1,753.16	104.51	730.21	7,192.88
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	259.05	.....	.....	2,237.07
.....	.....	.....	.....	.....	.....	.....
68.15	18.75	32.32	449.13	48.49	64.88	1,530.73
.....	.....	.....	.....	.....	.....	504.46
.....	.....	.....	41.89	.....	.....	985.19
181.41	41.39	173.79	2,589.03	7.10	607.29	9,080.43
.....	.....	.....	391.55	.....	.....	2,792.54
690.76	279.90	976.29	183.57	96.04	456.45	13,541.41
397.08	183.26	510.73	1,211.93	122.89	214.69	10,909.34
5,806.16	1,526.40	7,092.26	17,972.83	1,750.36	7,431.95	154,340.88
.....	.....	.....	6,460.63	250.50	3,705.18	68,768.60
1,818.98	36.55	85.48	.....	.....	.....	.....
181.00	82.00	331.00	683.00	82.00	142.00	5,816.00
.....	.....	.....	5,777.63	168.50	3,563.18	62,952.60
1,999.98	118.55	406.48	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

RIDEAU SYSTEM

Municipality	Carleton Place	Kemptville	Lanark	Perth
Population	4,123	1,220	575	3,710
EARNINGS				
	$ c.	$ c.	$ c.	$ c.
Domestic service	13,249.12	5,646.92	1,966.24	14,352.84
Commercial light	7,671.08	6,175.07	1,190.69	9,493.91
Commercial power	21,065.99	2,516.99	138.13	14,264.45
Municipal power	1,834.02	.....	.....	2,335.71
Street lighting	1,849.34	1,386.00	726.16	1,818.62
Rural service	.....	.....	.....	.....
Miscellaneous	585.57	.....	.....	1,661.82
Total	46,255.12	15,724.98	4,021.22	43,927.35
EXPENSES				
Power purchased	37,278.09	6,545.73	2,488.90	24,874.64
Substation operation	92.01	.....	.....	370.00
Substation maintenance	.....	.....	.....	.....
Distribution system, operation and maintenance	2,575.88	916.78	127.41	1,067.32
Line transformer maintenance	154.24	.....	.....	148.06
Meter maintenance	390.65	.....	.....	80.43
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	406.74	44.17	46.56	137.29
Promotion of business	.....	.....	.....	.....
Billing and collecting	1,117.37	.....	.....	1,377.00
General office, salaries and expenses	1,298.24	529.82	150.83	2,578.45
Undistributed expenses	411.39	93.49	.....	516.54
Interest	3,226.13	1,404.35	380.45	4,557.00
Sinking fund and principal payments on debentures	1,345.55	355.30	295.35	1,613.93
Total expenses	48,296.29	9,889.64	3,489.50	37,320.66
Gross surplus	.....	5,835.34	531.72	6,606.69
Gross loss	2,041.17	.....	.....	.....
Depreciation	1,390.00	487.00	144.00	1,824.00
Net surplus	.....	5,348.34	387.72	4,782.69
Net loss	3,431.17	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1923

		THUNDER BAY SYSTEM	OTTAWA SYSTEM	TRENT SYSTEM		
Smiths Falls 6,529	RIDEAU SYSTEM SUMMARY	Port Arthur 15,629	Ottawa 112,899	Bloomfield 512	Havelock 1,258	Kingston 22,234
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
27,991.85	63,206.97	55,526.19	185,916.79	1,696.39	4,870.76	65,725.36
13,961.93	38,492.68	36,892.19	86,984.66	845.06	1,548.84	60,376.47
23,821.10	61,806.66	338,532.24	47,564.97	2,010.49	451.55	48,959.97
3,835.42	8,005.15	35,244.14	30,970.29	.....	.....	6,388.04
4,020.84	9,800.96	17,628.93	68,241.90	1,050.00	2,325.00	24,878.23
.....	.....	.....	.....	111.37	.....	.....
498.15	2,745.54	471.39	936.24	.....	.....	671.62
74,129.29	184,057.96	484,295.08	420,614.85	5,713.31	9,196.15	206,999.69
39,300.24	110,487.60	299,178.18	140,720.48	3,193.88	3,694.55	69,433.53
1,101.22	1,563.23	8,756.24	13,009.28	.....	.....	10,195.40
369.13	369.13	1,107.45	.....	.....	.....	2,939.40
3,503.85	8,191.24	22,182.08	22,034.11	40.65	959.18	17,217.11
4.63	306.93	147.71	120.36	.....	.....	3,711.33
34.75	505.83	1,331.05	7,693.03	.....	.....	2,985.63
.....	.....	.....	.....	.....	.....	.....
331.10	965.86	4,987.47	24,282.63	46.02	83.88	8,997.33
.....	.....	469.06	6,529.01	.....	.....	1,427.31
807.26	3,301.63	3,143.29	26,705.31	.....	.....	3,438.53
2,159.76	6,717.10	10,284.56	15,509.02	246.45	215.12	8,363.70
1,328.89	2,350.31	6,943.60	10,747.24	.....	.....	8,512.21
9,984.51	19,552.44	16,587.64	42,959.09	663.40	1,830.36	12,541.12
6,880.21	10,490.34	16,121.31	18,486.95	225.49	991.48	9,304.67
65,805.55	164,801.64	391,239.64	328,796.51	4,415.89	7,774.57	159,067.27
8,323.74	19,256.32	93,055.44	91,818.34	1,297.42	1,421.58	47,932.42
.....	.....	.....	.....	.....	.....	.....
3,892.00	7,737.00	13,500.00	46,726.00	243.00	550.00	8,416.00
4,431.74	11,519.32	79,555.44	45,092.34	1,054.42	871.58	39,516.42
.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

TRENT SYSTEM—Continued

Municipality	Lakefield	Marmora	Norwood	Omemee	Peterboro
Population	1,193	792	748	485	21,439
EARNINGS					
Domestic service	4,371.89	2,026.81	2,871.65	1,734.41	75,853.54
Commercial light	3,170.08	1,294.90	1,774.20	882.26	40,522.25
Commercial power	2,603.43	260.08	1,496.49	4,702.80	71,549.20
Municipal power					
Street lighting	2,208.00	1,992.00	2,115.50	1,000.00	16,197.95
Rural service					
Miscellaneous					
Total	12,353.40	5,573.79	8,257.84	8,319.47	204,122.94
EXPENSES					
Power purchased	4,623.44	1,760.44	3,277.02	6,028.12	108,159.18
Substation operation					3,867.89
Substation maintenance					36.28
Distribution system, operation and maintenance	900.02		618.47	392.92	17,093.55
Line transformer maintenance					476.08
Meter maintenance					4,874.48
Consumers' premises expenses					
Street lighting, operation and maintenance	71.66	35.00	76.82	63.90	5,114.86
Promotion of business					
Billing and collecting					4,984.90
General office, salaries and expenses	285.22	417.80	224.30	146.27	9,258.55
Undistributed expenses					7,912.09
Interest	1,901.61	925.54	1,960.63	621.66	14,473.98
Sinking fund and principal payments on debentures	439.90	645.05	470.43	425.59	7,984.18
Total expenses	8,221.85	3,783.83	6,627.67	7,678.46	184,236.02
Gross surplus	4,131.55	1,789.96	1,630.17	641.01	19,886.92
Gross loss					
Depreciation	571.00	330.00	663.00	357.00	7,341.29
Net surplus	3,560.55	1,459.96	967.17	284.01	12,545.63
Net loss					

*Two months' operation.

" C "—Concluded

Hydro Municipalities for Year Ended December 31, 1923

Picton 3,263	*Warkworth P.V.	Wellington 840	Whitby	TRENT SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
11,817.03	227.08	3,089.36	10,147.45	184,431.73	5,166,452.24
7,001.42	189.91	1,948.27	5,262.79	124,816.45	3,260,772.50
7,680.07	.....	2,300.79	12,742.52	154,757.39	5,927,666.37
3,411.75	.....	.....	2,114.34	11,914.13	1,161,598.60
4,361.71	137.50	882.00	2,596.87	59,744.76	1,269,604.48
.....	.....	.....	.....	111.37	116,639.06
2,468.99	.....	.....	32.00	3,172.61	316,311.21
36,740.97	554.49	8,220.42	32,895.97	538,948.44	17,219,044.46
16,326.60	568.04	3,169.90	16,884.34	237,119.04	8,699,026.67
.....	.....	.....	14.69	14,077.98	474,442.13
.....	.....	.....	.....	2,975.68	133,815.53
383.32	.....	470.78	2,104.30	40,180.30	636,477.41
.....	.....	.....	65.77	4,253.18	75,920.10
.....	.....	.....	424.03	8,284.14	139,104.81
.....	.....	.....	.....	.....	218,682.02
970.39	.....	122.08	1,114.74	16,696.68	299,579.08
.....	.....	.....	.....	1,427.31	184,371.00
.....	.....	.....	101.84	8,525.27	444,306.92
5,148.51	33.56	256.52	2,010.60	26,606.60	937,463.47
69.00	.....	.....	201.74	16,695.04	359,206.91
.....	4.57	1,154.11	3,216.56	39,293.54	1,615,205.16
338.69	.....	340.96	1,536.88	22,703.32	990,907.14
23,236.51	606.17	5,514.35	27,675.49	438,838.08	15,208,508.35
13,504.46	.....	2,706.07	5,220.48	100,110.36	2,010,536.11
.....	51.68	.....	.....	.....	.....
854.00	.....	422.00	1,245.78	20,993.07	916,782.75
12,650.46	.....	2,284.07	3,974.70	79,117.29	1,093,753.36
.....	51.68	.....	.....	.....	.....

STATEMENT "D"

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Acton—																			
1913	1,236.50	.....	82	.....	.....	.....	10	1,567.48	.....	62	.....	.....	.....	10	318.77	3	.....	.....	147
1914	1,463.72	21,192	146	15	.....	6.9		1,496 18	19,878	58	28	2.08	7.5		836.13	5	.....	.....	209
1915	1,931.11	29,079	183	15	.....	6.6		1,725.73	24,336	53	36	2.59	7.1		1,019.27	5	.....	.....	241
1916	1,942.11	29,685	185	15	.....	6.5		1,592.62	35,227	60	52	2.35	4.5		1,565.53	7	.....	.....	252
1917	2,016.13	34,268	200	15	84	5.9		1,600 56	38,244	65	49	2.05	4.2		4,116 69	9	157	26.22	274
1918	2,154.00	41,593	219	16	85	5.2		1,360 35	32,897	61	43	1.80	4.1		5,166.36	9	170	30.39	289
1919	2,628.12	44,352	235	16	93	5.9		1,613 56	39,807	65	51	2.07	4.1		5,329.46	10	199	26.78	310
1920	3,115.26	76,922	260	25	1.00	4.0		1,672.82	40,272	71	47	1.96	4.2		5,230.46	10	200	26.15	341
1921	3,650.48	100,205	301	28	1.01	3.6		2,012.27	56,732	69	68	2.34	3.5		5,558.31	14	216	25.85	384
1922	4,374.68	131,954	351	31	1.03	3.3		2,364.01	70,027	64	91	3.08	3.4		6,901.68	16	267	25.85	431
1923	5,834.01	205,605	383	44	1.26	2.8		2,475.16	77,647	74	87	2.79	3.1		8,729.16	18	315	27.74	475
Agincourt—																			
1923	2,161.85	34,391	84	34	2.14	6.2		325.59	2,333	10	19	2.71	13.9		1,003.19	2	26	38.58	96
Ailsa Craig—																			
1916	579.57	6,270	51	.....	.....	9.2	None	213.46	1,910	11	.....	.....	11.2	None	15.57	1	.....	.....	63
1917	776.93	7,584	55	12	1.22	10.2		255.84	932	19	.....	.....	11.2		1,591.95	4	40	39.80	78
1918	820.95	9,176	58	13	1.22	8.9		299.58	3,432	24	13	1.19	8.7		4,003.23	3	87	46.01	85
1919	1,087.47	12,991	71	15	1.28	8.4		496.94	3,578	27	11	1.53	13.1		3,786.31	1	93	31.03	99
1920	1,292.33	14,654	78	16	1.38	8.8		630.19	6,627	30	18	1.75	9.5		5,400.16	3	141	38.30	111
1921	1,402.73	20,369	95	18	1.23	6.9		722.21	7,553	32	20	1.88	9.6		5,297.07	3	124	42.71	130
1922	1,557.35	25,145	99	21	1.31	6.2		729.78	8,509	32	22	1.90	8.6		5,532.03	3	128	43.22	134
1923	1,708.00	30,602	138	19	1.03	5.5		735.81	9,838	30	27	2.04	7.4		4,267.97	3	124	34.41	170

Alexandria—																				
1922	4,527.07	108,417	221	41	1.71	4.2		4,350.98	50,916	88	48	4.12	8 5		7,528.43	11	143	52.64	320
1923	5,155.02	69,304	217	26	1.98	7.4	.	4,592.49	59,014	95	51	4.02	7.7		9,411.13	13	208	45.24	325
Alliston—																				
1918	1,160.23	.....	191	.....	.....	.....	12	713.95	.....	81	.....	.....	.....	12	437.43	4	.....	.....	276
1919	3,084.19	48,870	213	19	1.21	6.3		1,897.62	38,340	88	36	1.80	4.9		2,049.08	8	72	28.46	309
1920	4,255.43	62,464	243	21	1.46	6.8		3,055.99	51,527	88	49	2.89	6.0		4,924.33	14	166	29.66	345
1921	5,253.63	75,424	262	24	1.67	7.0		3,375.50	45,691	88	43	3.20	7.4		3,567.19	15	149	23.94	365
1922	5,554.85	82,484	275	25	1.68	6.7		3,239.50	43,288	84	43	3.21	7.4		1,796.19	11	91	19.74	370
1923	5,951.34	92,844	279	27	1.77	6.4		3,295.53	43,569	83	44	3.31	7.5		1,916.28	11	94	20.38	373
Alvinston—																				
1922	1,586.27	.....	128	.....	.....	.....		1,124.49	.....	50	.....	.....	.....		826.70	5	.....	.....	183
1923	2,693.28	26,474	140	15	1.60	10.1		1,901.92	16,637	52	26	3.04	11.4		3,833.45	6	103	37.21	198
Ancaster Township—																				
1920	6,201.70	116,305	363	27	1.42	5.3	None	646.09	12,257	34	30	1.58	5.3	None	144.17	3	12	12.00	400
1921	7,406.62	153,519	422	30	1.38	4.7		891.37	18,556	34	45	2.19	4.8		130.13	3	15	.....	459
1922	8,598.01	177,507	467	31	1.53	4.9		993.66	24,542	39	52	2.12	4.0		293.44	4	40	7.34	546
1923	10,377.24	239,348	486	41	1.77	4.3		1,292.61	27,852	47	49	2.29	4.6		402.28	4	40	10.05	537
Apple Hill—																				
1922	522.93	.....	26	.....	.....	.....		527.94	.....	19	.....	.....	.....		595.57	1	.....	.....	46
1923	688.47	.....	28	.....	.....	.....		609.54	.....	19	.....	.....	.....		659.30	1	.....	.....	48
Arthur—																				
1917	854.24	9,307	60	13	1.19	9.1	10+25	922.38	9,585	51	17	1.51	9.6	10+25	177.21	2	20	.....	113
1918	1,065.52	12,457	69	15	1.05	8.5		940.54	9,855	58	14	1.35	9.5		3,285.56	4	80	41.06	131
1919	1,393.50	16,840	84	17	1.38	8.3		1,499.36	16,210	64	21	1.95	9.2		5,103.85	6	130	39.25	154
1920	1,949.56	23,412	95	20	1.81	8.3		1,898.65	19,967	62	25	2.38	9.5		4,948.55	6	126	39.27	163
1921	2,368.81	25,582	101	21	1.95	9.2		2,699.10	21,203	71	25	3.17	12.7		5,013.98	5	122	41.10	177
1922	2,811.99	30,930	120	21	1.95	9.3		2,911.14	18,540	70	22	3.46	15.7		4,325.59	5	100	43.26	195
1923	3,104.17	33,500	140	19	1.84	9.2		3,044.35	23,730	76	26	3.33	12.7		3,990.58	4	89	44.83	220
Aylmer—																				
1918	2,569.66	.....	392	.....	.....	.....	10+10	1,986.69	.....	112	.....	.....	.....	10+10	799.21	5	.....	.....	509
1919	5,391.99	84,789	347	20	1.30	6.4		4,886.86	77,168	118	55	3.38	6.3		3,318.98	5	104	31.91	470
1920	6,553.82	90,129	379	20	1.44	7.3		5,831.46	77,650	109	59	4.46	7.5		3,192.47	7	146	21.86	495
1921	7,358.00	96,078	416	19	1.47	7.6		6,238.14	78,003	108	61	4.81	8.0		3,834.16	10	171	22.42	534
1922	7,339.17	94,804	465	17	1.32	7.7		6,422.18	83,601	118	59	4.53	7.7		3,683.25	9	175	21.05	592
1923	8,741.34	182,132	480	31	1.51	4.7		5,923.53	128,583	123	87	4.01	4.6		3,336.85	10	200	16.68	613

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Ayr—																			
1915	892.63	16,031	79	.....	.....	5.5		773.08	9,477	35	.....	.....	8.1		348.78	1	.....	.....	115
1916	1,084.46	12,314	83	13	1.12	8.8	12.5+	804.00	12,960	48	26	1.61	6.2	12.5+	393.39	2	.....	.....	133
1917	1,124.21	14,228	92	14	1.08	7.9	25	857.27	12,441	48	23	1.50	6.9	25	996.44	2	32	30.20	142
1918	1,178.84	14,666	94	13	1.05	8.0		806.01	10,134	49	17	1.37	7.9		1,033.02	2	41	25.19	145
1919	1,461.64	18,926	103	15	1.19	7.7		1,118.50	14,474	47	27	1.99	7.8		1,015.08	3	41	24.76	153
1920	1,762.84	21,747	105	17	1.40	8.1		1,421.75	18,329	43	35	2.75	7.8		2,251.84	6	70	32.17	154
1921	1,862.55	27,255	115	20	1.35	6.8		1,319.32	15,200	42	30	2.62	8.7		2,546.21	5	86	29.60	162
1922	2,075.16	33,177	129	21	1.34	6.4		1,281.59	18,594	47	33	2.27	6.9		2,217.52	4	78	28.43	180
1923	2,300.13	46,228	143	26	1.34	4.9		1,288.55	24,866	47	44	2.30	5.1		2,592.40	3	71	37.92	193
Baden—																			
1913	884.11	.....	75	.....	.....	.....	None	*	.....	*	.....	.....	.....	None	2,242.77	4	.....	.....	79
1914	1,247.81	6,920	82	7	75	10.0		*	5,547	*	7	75	10.0		4,580.23	4	.....	.....	86
1915	938.33	12,729	72	13	98	7.4		*	.....	*	13	98	7.4		4,588.87	4	.....	.....	76
1916	808.21	8,824	84	16	86	5.5		*	5,772	*	16	86	5.5		5,059.33	5	.....	.....	89
1917	842.09	10,066	58	12	98	8.4		*	5,827	23	12	98	8.4		5,243.91	5	175	29.96	86
1918	975.04	16,543	60	23	98	4.3		.....	5,865	23	21	98	4.3		5,202.04	4	185	28.11	87
1919	1,097.74	15,917	68	20	97	4.7		.....	7,372	26	25	97	4.7		5,669.93	5	211	26.87	99
1920	1,338.03	18,212	73	.....	.....	.....		.....	10,089	28	.....	.....	.....		5,747.18	6	222	25.89	107
1921	958.06	25,280	78	27	1.02	3.8		456.15	10,390	24	36	1.60	4.4		5,967.22	6	230	25.94	108
1922	1,150.47	38,721	86	38	1.11	2.9		440.60	13,894	24	48	1.53	3.2		6,397.12	4	252	25.39	114
1923	1,361.82	53,387	89	49	1.28	2.5		445.92	16,340	25	54	1.48	2.7		7,221.43	4	238	30.34	118

Barrie—																			
1913	10,071.55	.....	563	.....	.....	.....	9	9,252.70	.....	200	.....	3.85	.....	9	3,390.29	13	.....	.....	776
1914	11,149.49	152,095	651	20	1.54	7.3		9,464.64	138,948	200	58	3.93	6.8		3,712.24	13	.....	.....	864
1915	11,087.68	147,307	843	18	1.24	7.1		9,572.91	177,000	252	65	3.50	5.4		4,567.76	14	.....	.....	1,109
1916	11,907.10	204,420	896	20	1.14	5.8		10,635.67	189,409	257	63	3.50	5.6		6,918.33	18	.....	.....	1,171
1917	11,232.68	242,297	942	22	1.02	4.6		8,750.24	185,095	253	61	2.86	4.8		7,978.72	19	310	25.74	1,214
1918	12,456.76	278,882	956	24	1.08	4.4		7,365.45	178,954	258	58	2.40	4.1		9,296.34	20	340	27.34	1,234
1919	12,395.37	345,723	1,079	23	96	4.2		7,245.39	283,758	268	88	2.25	2.5		12,077.45	22	432	27.96	1,369
1920	14,459.88	534,517	1,279	35	94	2.7		7,245.01	315,778	280	94	2.16	2.3		11,398.66	23	439	25.96	1,582
1921	16,926.24	732,748	1,349	45	1.05	2.3		8,227.70	389,055	267	121	2.57	2.1		10,595.15	27	485	27.85	1,643
1922	19,647.34	732,748	1,517	40	1.08	2.7		9,191.01	389,055	386	84	1.98	2.3		10,471.50	29	376	27.85	1,932
1923	24,779.83	1,590,512	1,597	82	1.29	1.5		10,564.19	614,510	392	130	2.24	1.7		10,528.02	32	480	21.93	2,021
Beachville—																			
1913	562.97	.....	45	.....	.....	.....	None	*	.....	*	.....	.....	.....	None	5,993.81	4	.....	.....	49
1914	587.33	4,422	45	.....	.....	7.9		*	2,988	*	.....	.....	7.9		5,368.04	4	.....	.....	49
1915	363.33	5,356	37	11	74	6.8		296.37	4,847	12	34	2.05	6.1		5,593.15	4	.....	.....	53
1916	400.81	5,891	42	13	84	6.8		263.62	3,872	12	27	1.83	6.8		5,393.02	3	.....	.....	57
1917	419.11	6,317	44	12	79	6.6		286.14	5,597	12	39	1.99	5.1		6,354.25	3	428	14.85	59
1918	441.44	6,448	47	11	79	6.8		267.81	6,117	13	42	1.86	4.3		7,684.75	3	303	25.36	63
1919	467.51	8,721	53	14	74	5.4		421.38	8,366	13	54	2.70	5.0		7,174.94	3	.....	.....	69
1920	788.33	12,838	69	15	95	6.1		375.22	9,006	19	39	1.65	4.2		8,631 75	3	350	24.66	91
1921	786.32	11,404	71	13	92	6.9		433.10	9,219	23	33	1.57	4.7		7,992.11	3	336	23.79	97
1922	869.79	16,773	74	19	96	5.1		630.79	17,305	25	58	2.10	3.6		8,422.87	3	332	25.37	102
1923	965.48	24,036	76	26	1.06	4.0		607.21	16,127	29	46	1.74	3.7		11,924.75	3	441	29.31	108
Beaverton—																			
1915	1,484.62	.....	131	.....	.....	.....		1,149.67	.....	56	.....	.....	.....		456.74	5	.....	.....	192
1916	1,417.39	20,685	131	13	90	6.9	Flat	1,065.23	17,594	60	25	1.53	6.1	Flat	383.45	6	.....	.....	197
1917	1,482.00	20,945	148	13	89	7.1		1,041.84	18,162	51	28	1.58	5.7		650.02	7	36	18.06	206
1918	2,109.23	27,754	127	17	1.28	7.6		1,167.92	22,897	52	37	1.87	5.1		1,235.93	8	60	20.59	187
1919	2,818.75	39,920	142	23	1.65	7.1		1,318.27	36,495	53	57	2.07	3.6		1,608.86	8	69	23.32	203
1920	3,472.74	59,573	151	33	1.91	5.8		1,723.15	37,272	52	60	2.76	4.6		3,332.06	11	97	34.35	214
1921	3,908.27	53,580	159	28	2.05	7.3		2,155.25	38,316	55	58	3.27	5.6		3,790.32	13	125	30.32	227
1922	4,262.25	76,443	165	39	2.15	5.5		2,114.40	47,621	60	66	2.94	4.5		3,383.24	14	134	25.25	239
1923	5,508.56	107,088	298	30	1.54	5.1		2,291.72	56,766	61	77	3.11	4.0		4,608.61	14	182	25.32	373
Beeton—																			
1918	268.41	.....	62	.....	.....	.....	11+15	144.29	.....	18	.....	.....	.....	11+15	905.60	2	.....	.....	82
1919	904.40	10,114	66	13	1.14	8.9		738.36	7,926	25	26	2.46	9.4		3,336.77	1	86	38.80	92
1920	1,284.55	13,050	76	14	1.41	9.8		906.28	10,137	28	30	2.70	8.9		3,740.12	2	86	43.49	106
1921	1,753.33	18,121	79	19	1.85	9.7		1,242.18	13,595	30	38	3.45	9.1		4,507.27	2	93	48.47	111
1922	2,107.96	22,921	89	21	1.97	9.4		1,408.90	15,718	29	45	4.05	9.0		3,802.85	3	90	42.25	121
1923	2,369.07	28,389	93	35	2.12	8.3		1,445.83	18,471	32	48	3.76	7.8		3,037.04	3	84	36.15	128

* Domestic and Commercial Light Revenue not divided.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$. c.	cents	cents	$ c.			$ c.	
Belle River—																			
1923	3,134.84	52,864	97	45	2.69	5.9		926.81	7,879	19	34	4.06	11.9		523.08	2	17	30.76	118
Blenheim—																			
1917	2,256.70	30,314	212	12	89	7.4	10	2,113.67	28,786	84	29	2.09	7.3	10	47.40	3	.....	.....	299
1918	2,281.49	29,136	216	11	88	7.8		1,843.63	21,546	76	22	1.92	8.5		1,578.42	10	81	19.48	302
1919	2,998.75	45,345	259	15	97	6.6		2,541.02	46,942	85	46	2.49	5.4		3,178.87	9	135	23.55	353
1920	3,519.19	70,262	308	19	95	5.0		2,956.41	60,862	91	56	2.71	4.8		3,237.99	11	142	22.80	410
1921	4,396.96	69,897	359	16	1.02	6.3		3,638.77	69,641	93	62	3.25	5.2		3,832.93	11	150	25.55	463
1922	4,861.99	86,881	406	18	1.00	5.6		3,799.58	73,293	98	62	3.23	5.2		4,607.90	11	184	25.04	515
1923	5,270.86	106,973	389	22	1.12	4.9		3,574.09	82,114	101	67	2.94	4.4		4,953.38	13	194	25.53	.....
Bloomfield—																			
1920	1,184.19	12,063	76	13	1.30	9.8	None	607.68	6,283	15	35	3.38	9.7	None	1,000.32	4	36	27.79	95
1921	1,481.86	16,381	78	17	1.58	9.1		665.41	6,114	16	32	3.48	10.9		635.83	3	24	26.49	97
1922	1,585.28	18,410	88	17	1.50	8.8		736.46	7,390	19	32	3.23	10.0		789.12	4	26	30.35	111
1923	1,696.39	22,052	89	20	1.48	7.6		845.06	6,859	17	33	4.14	12.4		2,010.49	6	59	34.07	112
Bolton—																			
1915	624.86	6,563	59	.....	.....	9.5		553.80	7,298	42	.....	.....	7.6		313.74	3	.....	.....	104
1916	926.86	9,322	70	12	1.20	9.9	10+25	882.26	13,081	36	28	1.88	6.7	10+25	3,947.32	4	.....	.....	110
1917	1,191.92	12,829	78	13	1.27	9.3		698.70	12,534	44	26	1.46	5.6		2,856.39	5	117	24.41	127
1918	1,262.21	12,072	80	12	1.33	10.0		791.76	12,997	44	24	1.49	6.1		3,882.39	5	110	35.25	129
1919	1,285.93	16,710	90	16	1.19	7.5		874.67	14,154	42	28	1.73	6.2		2,812.67	7	101	28.84	139
1920	1,450.23	19,690	97	17	1.24	7.4		1,380.69	18,262	43	31	2.34	7.6		4,060.05	9	143	28.39	149
1921	1,963.73	26,630	118	19	1.39	7.4		1,593.76	17,686	38	39	3.50	9.0		3,473.82	10	144	24.12	166
1922	2,154.22	27,989	119	20	1.51	7.6		1,310.13	13,980	40	29	2.73	9.4		4,185.85	8	156	26.83	315
1923	2,510.07	.....	.....	.....	.....	.....		1,097.96	.....	.....	.....	.....	.....		2,421.67	.....	.....	.....	.....

Bothwell—																				
1915	230.61	.....	68	.....	.....	.....	Flat	191.21	.....	32	.....	.....	.....		.....	.....	.....	.....	100
1916	928.16	8,662	78	10	1.03	10.7		768.57	8,613	52	17	1.46	8.9	Flat	.....	.....	.....	.....	130
1917	1,085.92	9,890	86	10	1.05	10.9		825.43	8,877	45	16	1.53	9.3		1,500.00	2	.....	.....	133
1918	1,107.02	11,101	89	10	1.05	9.9		740.20	8,254	51	14	1.28	8.9		2,688.09	7	58	46.34	147
1919	1,359.99	15,415	94	14	1.21	8.8		1,015.60	15,262	53	24	1.60	6.7		6,291.48	10	128	49.15	157
1920	1,706.75	16,911	112	13	1.27	10.0		1,306.66	14,787	53	23	2.05	9.1		223.65	4	33	.....	169
1921	2,040.83	22,356	123	15	1.38	9.1		1,532.34	18,996	57	28	2.24	8.1		973.33	7	45	41.62	187
1922	2,257.72	30,281	143	18	1.31	7.2		1,407.11	21,322	48	37	2.44	6.6		6,511.40	15	161	40.44	206
1923	2,500.63	41,995	159	22	1.31	5.9		1,162.60	22,848	53	35	1.82	5.0		6,453.83	14	164	39.35	226
Bradford—																				
1919	759.12	.....	60	.....	.....	.....	None	869.68	.....	40	.....	.....	.....	None	.....	.....	.....	.....	109
1920	1,727.98	105,352	89	10	1.62	16.0		1,350.90	17,940	47	32	2.39	7.5		428.61	2	16	26.79	138
1921	2,522.99	33,218	104	27	2.02	7.6		1,822.52	20,656	44	39	3.45	8.8		1,310.02	2	43	30.46	150
1922	3,032.09	40,024	129	26	1.96	7.5		1,844.21	21,801	47	39	3.27	8.4		1,370.88	2	43	31.88	178
1923	3,986.23	60,488	137	36	2.42	6.5		2,477.31	29,991	49	51	4.21	8.2		1,846.28	3	59	31.29	189
Brampton—																				
1912	3,004.66	.....	409	.....	.....	.....	9+15	2,893.74	.....	104	.....	.....	.....	9+15	3,531.34	12	.....	.....	525
1913	5,617.61	.....	643	.....	.....	.....		3,986.65	.....	138	.....	.....	.....		10,557.72	16	.....	.....	797
1914	6,798.89	142,178	627	18	89	4.9		4,055.99	101,751	174	55	2.17	4.0		10,658.33	21	.....	.....	822
1915	6,860.48	159,435	691	20	86	4.3		4,053.56	116,717	174	56	1.94	3.5		11,624.83	21	.....	.....	88
1916	6,660.66	165,435	722	20	79	4.0		4,013.51	153,542	175	73	1.92	2.6		12,922.72	24	.....	.....	921
1917	7,369.15	244,218	771	27	82	3.0		4,185.97	164,055	162	81	2.09	2.6		18,107.41	27	837	21.65	960
1918	7,942.88	272,601	807	28	83	2.9		4,228.03	171,836	153	91	2.24	2.2		19,161.03	30	712	26.91	990
1919	8,818.83	328,391	846	32	85	2.7		4,503.94	205,838	180	95	2.09	2.2		14,403.89	32	765	18.83	1,058
1920	9,746.87	416,246	896	39	91	2.3		5,246.44	254,418	182	116	2.40	2.1		14,628.02	35	813	17.99	1,113
1921	12,186.84	544,838	964	47	1.05	2.2		5,659.49	279,256	189	23	2.50	2.0		13,311.10	35	829	16.06	1,188
1922	14,393.19	739,206	1,033	60	1.16	1.9		6,127.54	328,439	193	141	2.65	1.9		16,247.37	43	926	17.55	1,269
1923	17,807.01	963,973	1,088	73	1.36	1.8		7,879.71	370,885	212	145	3.09	2.1		19,192.57	52	1,073	17.88	1,352
Brantford—																				
1914	7,103.77	148,427	1,184	.....	.....	4.8	8+13	5,392.87	166,469	300	.....	.....	3.6	8+13	647.69	11	.....	.....	1,495
1915	13,629.36	319,439	1,615	19	82	4.3		10,746.67	347,349	321	94	2.89	3.1		12,901.29	18	.....	.....	1,954
1916	17,504.44	468,324	2,056	21	79	3.7		10,530.19	419,933	334	107	2.68	2.5		24,213.00	26	.....	.....	2,316
1917	20,881.94	691,572	2,559	25	75	3.0		10,502.19	655,993	363	157	2.51	1.6		48,639.07	37	2,466	19.72	2,959
1918	26,060.42	1,162,002	2,936	35	79	2.2		9,861.64	568,537	361	130	2.27	1.7		54,748.03	40	2,798	19.56	3,337
1919	34,615.20	1,280,629	3,530	30	82	2.7		10,632.25	660,518	397	139	2.34	1.6		51,469.32	46	2,601	19.79	3,973
1920	44,754.95	2,630,164	3,938	56	95	1.6		10,938.10	945,417	434	165	2.00	1.2		70,609.16	58	3,592	19.65	4,430
1921	59,931.17	3,390,735	4,458	63	1.12	1.8		12,373.68	901,817	530	143	1.95	1.4		79,347.30	80	4,057	19.56	5,068
1922	73,887.64	3,948,531	4,861	68	1.27	1.9		17,127.73	648,274	556	97	2.56	2.6		91,285.54	84	5,590	16.33	5,501
1923	89,693.75	5,827,981	5,230	92	1.43	1.5		22,236.86	1,661,057	587	235	3.15	1.3		112,298.99	90	5,259	21.35	5,907

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Brantford Twp.—																			
1918	440.72	.....	250	.....	.....	.....	None	.....	.....	.....	.....	.....	.....	None	.....	.....	.....	.....	250
1919	5,325.01	131,271	548	20	81	4.1		611.75	16,122	26	52	1.96	3.8		2,950.19	4	101	29.21	578
1920	6,277.87	146,541	391	31	1.34	4.3		670.44	17,434	22	66	2.54	3.8		4,226.65	4	165	25.62	417
1921	7,725.17	188,774	515	31	1.24	4.1		1,171.09	30,779	32	80	3.05	3.8		5,094.81	4	190	26.81	551
1922	10,417.45	308,934	492	51	1.72	3.3		1,538.66	68,542	36	168	3.77	2.2		5,260.09	5	203	25.91	533
1923	12,509.06	421,669	563	74	1.85	2.9		2,287.03	104,305	41	212	4.65	2.2		6,776.71	5	218	31.08	609
Brigden—																			
1918	413.29	.....	41	.....	.....	.....	15	760.17	.....	37	.....	.....	.....	15	710.37	2	.....	.....	80
1919	625.14	6,817	47	12	1.11	9.2		1,080.00	11,433	36	27	2.50	9.5		3,289.96	3	79	41.64	86
1920	862.91	9,081	57	13	1.26	9.5		1,384.25	14,863	35	35	3.30	9.3		4,868.57	3	109	44.67	95
1921	1,174.28	12,900	71	15	1.38	9.1		1,276.89	16,937	38	37	2.80	7.5		4,115.94	3	116	35.48	112
1922	1,218.06	15,597	78	17	1.30	7.6		1,399.21	15,320	37	35	3.15	9.0		1,994.87	3	110	18.14	118
1923	1,507.04	19,247	85	28	1.47	7.8		1,500.06	16,532	38	38	3.29	9.1		1,474.22	4	54	27.30	127
Brechin—																			
1915	148.83	.....	13	.....	.....	.....	None	407.78	.....	14	.....	.....	.....	None	1,007.59	1	.....	.....	28
1916	172.42	1,836	16	11	1.02	9.4		404.70	5,370	20	28	2.00	7.5		1,153.32	1	.....	.....	37
1917	194.03	2,131	19	10	90	9.1		528.24	7,364	20	31	2.20	7.1		1,285.50	2	32	40.17	41
1918	277.18	2,631	22	10	1.12	10.5		552.35	8,177	24	30	2.09	6.7		1,555.32	2	35	44.43	48
1919	422.33	5,382	25	18	1.41	7.8		559.35	9,036	25	30	1.86	6.2		2,157.29	3	58	37.20	53
1920	596.76	7,484	24	26	2.07	8.0		707.93	8,909	21	35	2.81	7.9		1,646.15	2	60	27.44	47
1921	650.85	8,317	28	25	1.94	7.8		1,029.78	8,094	22	31	3.90	12.7		2,036.27	3	62	32.84	53
1922	862.55	10,488	32	27	2.25	8.3		991.84	11,567	23	42	3.59	8.5		1,419.77	2	35	40.56	57
1923	955.78	10,190	34	25	2.34	9.3		841.46	7,232	24	25	2.92	11.6		1,201.16	2	35	34.31	60

Brockville—																			
1916	12,897.12	144,913	965	.....	.....	9.0	9	21,994.02	253,153	312	.....	.....	8.7	9	15,828.62	31	.....	.....	1,308
1917	14,507.95	152,066	1,018	13	1.22	9.5		22,907.56	246,940	378	59	5.54	9.3		30,744.84	49	631	48.72	1,445
1918	15,731.23	162,902	1,146	12	1.21	9.6		23,465.06	250,375	353	57	5.35	9.3		49,647.73	47	.....	.....	1,546
1919	18,510.68	234,923	1,339	15	1.15	7.9		22,816.26	310,515	370	70	5.14	7.3		37,013.69	56	902	41.04	1,765
1920	20,943.36	324,733	1,396	20	1.25	6.4		20,382.61	368,790	344	89	4.94	5.6		38,572.72	59	1,113	34.66	1,799
1921	27,780.61	382,226	1,542	21	1.50	7.3		24,960.63	399,529	350	95	5.94	6.2		43,864.40	65	1,210	36.25	1,957
1922	31,330.52	434,339	1,686	21	1.55	7.4		25,198.96	405,571	374	90	5.61	6.2		49,391.67	63	1,323	37.33	2,123
1923	35,622.98	516,382	1,838	23	1.61	6.8		26,034.58	418,744	376	93	5.77	6.2		56,620.78	64	1,688	33.54	2,278
Burford—																			
1916	577.69	9,005	64	.....	.....	6.4	Flat	380.44	7,569	30	.....	.....	5.0	Flat	519.72	1	.....	.....	15
1917	834.73	11,519	79	13	98	7.2		837.51	13,262	34	34	2.18	6.3		549.31	1	25	21.98	914
1918	1,089.73	15,489	81	16	1.13	7.0		922.16	13,700	27	38	2.56	6.7		434.05	1	25	17.36	109
1919	1,330.31	18,769	100	17	1.10	7.0		1,064.23	17,680	32	46	2.77	6.0		543.25	1	25	21.73	133
1920	2,023.41	.....	115	.....	1.56	.....		1,194.81	.....	34	.....	3.02	.....		279.34	1	7	40.00	150
1921	2,817.52	31,375	127	21	1.84	8.9		1,673.49	18,555	37	42	3.77	9.0		132.50	2	4	33.12	166
1922	3,491.08	42,104	139	25	2.09	8.4		1,966.34	26,266	42	52	3.90	7.5		1,057.03	5	36	29.36	186
1923	3,507.24	57,432	152	31	1.92	6.1		1,795.05	22,587	38	49	3.95	7.9		994.82	5	51	19.50	195
Burgessville—																			
1917	359.41	5,299	29	.....	.....	.....	None	115.15	1,506	9	.....	.....	.....	None	815.36	1	88	.....	39
1918	379.94	4,025	32	11	1.01	9.4		102.66	1,321	10	12	95	7.7		875.67	1	30	29.18	43
1919	423.05	5,623	37	13	95	7.5		127.43	1,375	10	11	1.06	9.3		643.88	1	28	22.99	48
1920	593.18	8,102	45	15	1.10	7.3		147.91	1,955	10	16	1.23	7.6		688.75	1	30	22.99	56
1921	756.62	8,281	44	16	1.43	9.1		288.50	2,615	12	18	2.00	11.0		821.31	1	30	27.38	57
1922	757.10	10,556	49	18	1.29	7.1		257.31	3,131	12	22	1.79	8.1		656.82	1	30	21.89	62
1923	855.50	11,550	50	19	1.42	7.4		246.85	2,986	12	20	1.72	8.3		1,147.62	1	30	38.25	63
Caledonia—																			
1913	404.60	.....	17	.....	.....	.....	None	*	.....	16	.....	.....	.....	None	470.34	1	.....	.....	34
1914	880.54	.....	21	.....	.....	.....		*	.....	32	.....	.....	.....		188.54	1	.....	.....	54
1915	265.62	4,618	24	16	98	5.4		950.38	18,325	33	47	2.44	5.4		138.42	1	.....	.....	58
1916	263.39	4,800	27	16	86	5.5		777.38	20,000	37	47	1.85	4.0		519.82	3	.....	.....	67
1917	283.63	5,500	33	13	79	5.2		786.20	22,800	38	50	1.72	3.4		777.85	4	48	16.21	.....
1918	354.98	7,256	40	16	82	4.8		807.14	19,464	42	42	1.68	4.1		922.18	4	33	27.94	86
1919	453.53	9,106	44	17	86	5.0		907.76	24,929	45	46	1.68	3.7		733.31	8	40	18.33	97
1920	671.96	19,407	60	28	93	3.4		1,155.64	44,932	49	76	1.97	2.6		989.23	9	71	14.00	118
1921	994.76	20,634	76	23	1.09	4.8		1,584.02	61,357	55	93	2.40	2.6		1,139.37	7	72	15.82	138
1922	1,202.16	33,960	91	31	1.10	3.5		1,731.70	61,842	60	86	2.41	2.8		958.20	7	77	12.44	158
1923	1,481.52	38,301	100	31	1.23	3.8		1,828.29	63,631	64	82	2.38	..8		1,377.07	8	85	16.21	172

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per Kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Cannington—																			
1915	1,599.40	.....	135	.....	.....	.....		1,120.04	.....	65	.....	.....	.....		464.26	6	.....	.....	206
1916	1,720.25	25,049	150	15	1.00	6.9	12.5	973.63	13,808	73	17	1.17	7.1	12.5	462.47	7	.....	.....	230
1917	2,040.39	29,390	137	17	1.19	6.9		936.22	19,722	70	23	1.10	4.7		495.80	7	45	11.02	214
1918	2,264.80	40,160	143	24	1.34	5.6		917.90	16,741	64	20	1.14	5.4		726.87	9	48	15.14	216
1919	2,656.21	53,287	162	27	1.37	5.0		1,437.51	24,496	63	33	1.90	5.9		786.09	9	64	12.28	234
1920	3,713.43	73,365	176	35	1.76	5.1		2,042.35	24,518	68	30	2.34	8.3		1,132.55	10	70	16.18	254
1921	4,384.72	61,107	182	28	2.01	7.2		2,398.50	32,801	70	39	2.85	7.3		1,207.13	11	69	17.49	263
1922	4,563.79	97,542	189	43	2.01	4.7		2,491.41	30,794	67	38	3.10	8.2		1,074.84	10	71	15.14	266
1923	4,265.22	72,116	194	31	1.83	5.9		2,380.92	28,220	72	32	2.88	8.4		1,148.35	12	73	15.73	278
Carleton Place—																			
1920	8,241.32	210,676	636	28	1.08	3.9	6	6,835.20	229,583	144	133	3.95	3.0	6	17,787.06	18	647	27.4	798
1921	11,854.98	296,188	664	37	1.49	4.0		7,974.78	193,141	150	107	4.43	4.1		20,531.28	13	709	28.96	827
1922	12,654.99	249,425	713	29	1.48	5.1		7,206.47	143,660	160	75	3.75	5.0		23,811.52	14	800	29.76	887
1923	13,249.12	270,913	755	29	1.46	4.8		7,671.08	157,775	168	78	3.80	4.8		22,900.01	17	771	29.70	940
Chesley—																			
1917	2,122.78	25,792	185	12	95	8.2	Flat	1,971.03	30,058	81	31	.....	.....	Flat	1,725.38	10	64	26.96	276
1918	2,348.43	32,368	202	14	1.01	7.2		2,071.77	37,126	78	39	2.17	5.5		2,846.85	13	104	27.37	293
1919	2,975.29	46,212	226	17	1.10	6.4		2,679.48	46,369	81	48	2.76	5.8		4,642.70	15	169	27.47	322
1920	4,000.52	68,967	259	22	1.29	5.8		2,943.77	50,415	83	51	2.96	5.8		7,364.09	15	207	35.58	357
1921	5,352.03	84,811	269	26	1.66	6.3		3,523.13	49,937	90	46	3.26	7.0		7,717.82	14	215	35.89	373
1922	5,894.11	84,407	282	25	1.74	7.0		4,301.33	59,095	92	54	3.90	7.2		8,823.91	16	243	36.31	390
1923	6,036.92	91,062	293	25	1.71	6.6		4,201.13	56,266	90	52	3.88	7.4		7,503.74	18	247	30.38	363

Chatham—																			
1915	5,581.54	110,552	949	.....	.....	5.5	8+25	2,806.81	81,805	180	.....	.....	3.4	8+25	449.70	7	.....	.....	1,136
1916	10,155.37	176,508	1,171	14	80	5.8		7,427.36	174,204	215	81	3.48	4.3		3,766.37	25	.....	.....	1,401
1917	13,245.86	257,773	1,261	18	91	5.1		10,633.12	249,739	271	86	3.65	4.3		16,573.93	46	654	25.34	1,578
1918	14,124.28	371,827	1,309	24	91	3.8		12,102.91	381,388	265	118	3.76	3.1		35,750.36	35	1,269	28.17	1,609
1919	16,019.69	474,303	1,432	28	93	3.4		12,994.41	434,425	280	129	3.87	3.0		38,069.64	38	1,371	27.77	1,750
1920	43,039.25	1,175,474	3,360	29	1.07	3.7		27,592.06	801,594	572	115	4.02	3.4		62,829.08	87	2,316	33.78	4,019
1921	48,442.47	1,524,750	3,442	37	1.17	3.2		31,165.17	945,133	636	122	4.08	3.3		72,338.56	130	2,957	24.46	4,208
1922	52,252.33	1,657,651	3,540	39	1.23	3.1		33,091.92	1,047,783	745	117	3.70	3.2		77,861.75	131	3,072	25.35	4,416
1923	58,371.93	2,093,428	3,491	49	1.39	2.7		37,988.73	1,246,010	625	166	5.06	3.0		80,531.46	128	3,233	24.90	4,244
Chatsworth—																			
1917	379.96	4,256	37	10	87	8.9	None	253.75	3,980	23	14	92	6.4	None	.....	.....	.....	.....	60
1918	445.83	5,409	41	11	95	8.2		259.74	3,542	24	13	92	7.3		726.12	1	30	24.20	66
1919	601.96	.....	46	.....	1.09	.....		288.85	5,594	20	23	1.20	5.2		622.58	1	23	27.05	67
1920	724.34	9,279	50	15	1.21	7.8		579.22	7,959	28	24	1.72	7.3		298.26	1	30	.....	79
1921	985.81	10,999	52	18	1.58	9.0		786.28	8,386	27	26	2.43	9.4		619.31	1	30	20.64	80
1922	1,180.48	12,419	52	20	1.89	9.4		789.95	7,737	28	23	2.35	10.2		573.88	1	30	19.13	81
1923	1,163.89	13,119	56	19	1.73	8.7		743.79	8,586	27	26	2.29	8.6		611.70	1	30	20.39	84
Chesterville—																			
1914	530.13	7,672	68	.....	.....	6.9	None	791.67	10,176	35	.....	.....	7.7	None	.....	.....	.....	.....	103
1915	919.27	12,663	85	14	1.00	7.2		1,187.54	12,104	49	21	2.06	9.8		.....	.....	.....	.....	134
1916	1,490.99	15,779	89	17	1.43	9.4		1,240.56	15,179	47	26	2.12	8.2		177.55	1	.....	.....	137
1917	1,505.16	18,395	87	17	1.42	8.2		1,226.80	15,360	45	28	2.18	7.9		2,134.49	2	53	40.27	134
1918	1,485.76	21,485	96	19	1.35	6.9		2,025.36	32,975	48	59	3.63	6.1		3,520.13	2	95	37.05	146
1919	1,815.29	40,414	115	28	1.31	4.7		2,501.13	46,706	39	98	5.34	5.4		3,984.91	2	124	32.13	156
1920	2,618.21	39,488	126	26	1.73	6.6		3,085.60	47,642	47	84	5.47	6.5		6,955.75	2	186	37.40	175
1921	3,559.07	45,564	143	27	2.07	7.8		2,923.10	.....	56	.....	4.35	.....		6,133.40	3	183	.....	202
1922	3,955.40	50,992	151	28	2.18	7.7		2,862.69	36,123	52	55	4.41	7.9		5,460.28	3	141	38.72	206
1923	4,098.45	56,004	163	28	2.09	7.4		3,209.30	29,274	56	43	4.77	10.9		7,343.78	3	168	43.71	222
Chippawa—																			
1920	2,078.72	39,243	116	40	2.14	5.3	None	269.76	.....	23	.....	1.40	.....	None	.....	.....	.....	.....	139
1921	2,932.89	70,746	144	41	1.70	4.1		723.18	11,910	26	38	2.32	6.1		.....	.....	.....	.....	170
1922	3,373.63	75,044	172	36	1.63	4.4		706.82	14,871	34	41	1.96	4.7		1,487.77	3	60	24.80	209
1923	3,901.58	50,336	190	22	1.71	7.7		750.34	16,128	26	51	2.40	4.6		1,537.85	5	.....	.....	221

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Clinton—																			
1914	2,023.70	21,466	179	.....	.....	9.4	10+25	2,028.08	24,696	111	.....	.....	8.2	10+25	1,255.33	7	.....	.....	297
1915	2,930.57	36,598	204	16	1.28	8.2		3,068.63	40,234	110	20	2.31	7.6		2,018.24	6	.....	.....	320
1916	3,161.29	41,986	211	17	1.27	7.5		3,064.37	41,205	122	31	2.30	7.4		2,498.64	7	.....	.....	330
1917	3,220.73	40,965	246	15	1.19	7.9		2,654.30	34,471	115	25	1.92	7.7		2,348.15	7	74	31.73	368
1918	3,536.08	60,774	258	20	1.16	5.8		2,311.42	40,289	121	28	1.63	5.7		3,655.01	10	114	32.06	389
1919	4,447.04	78,737	276	24	1.34	5.6		3,044.93	54,665	124	37	2.05	5.5		4,589.74	11	142	32.32	411
1920	5,013.77	105,302	332	26	1.26	4.8		3,586.69	65,248	140	39	2.13	5.5		4,652.31	11	144	32.31	483
1921	6,045.27	120,135	361	28	1.40	5.0		4,064.94	71,139	130	46	2.61	5.7		3,957.98	11	142	27.87	502
1922	6,478.04	132,243	388	28	1.39	4.8		4,125.00	82,609	131	53	2.64	4.9		4,257.12	11	143	29.77	530
1923	6,253.49	185,553	411	37	1.26	3.3		4,001.92	79,860	131	51	2.54	5.0		7,696.96	11	222	34.67	553
Coldwater—																			
1913	405.43	.....	48	.....	.....	.....	None	330.25	.....	132	.....	.....	.....	None	247.19	1	.....	.....	81
1914	853.56	12,466	62	19	1.30	6.8		589.85	10,382	39	24	1.40	5.7		617.26	2	.....	.....	103
1915	874.94	16,706	66	21	1.15	5.3		703.35	13,686	37	31	1.54	5.1		363.88	2	.....	.....	105
1916	977.62	16,599	70	20	1.20	5.9		848.82	16,644	39	36	1.85	5.1		247.91	2	.....	.....	111
1917	984.41	22,186	75	25	1.09	4.4		640.85	15,939	39	34	1.37	4.0		182.39	1	20	.....	115
1918	1,078.94	18,058	79	19	1.16	5.9		687.48	12,857	38	28	1.48	5.3		531.90	2	33	16.12	119
1919	1,134.84	21,530	131	14	72	5.2		680.02	14,697	43	29	1.32	4.5		1,064.00	3	71	14.99	177
1920	1,415.14	28,034	87	27	1.36	5.0		1,054.87	21,905	47	39	1.87	4.8		1,548.42	4	85	18.22	138
1921	1,705.16	28,927	87	28	1.63	5.9		1,306.92	19,726	47	35	2.32	6.6		2,079.61	4	102	20.39	138
1922	1,959.10	34,092	97	30	1.77	5.7		1,415.30	19,955	46	35	2.51	7.0		2,575.81	6	112	23.00	149
1923	2,034.86	35,746	98	30	1.73	5.6		1,460.25	21,957	49	37	2.48	6.6		2,841.27	6	120	23.67	153

Collingwood—																			
1913	7,013.66	83,406	477	.....	.....	8.4	11+10	9,362.17	108,676	220	.....	.....	8.4	11+10	896.72	18	.....	.....	715
1914	7,857.86	103,598	554	16	1.27	7.6		7,555.54	123,276	232	46	2.78	6.1		5,165.39	21	.....	.....	807
1915	7,094.27	118,336	622	17	1.00	6.0		5,688.26	116,583	233	42	2.04	4.9		9,527.70	26	.....	.....	881
1916	8,320.44	162,464	714	20	1.04	5.1		6,213.86	163,956	243	58	2.18	3.8		23,152.41	33	.....	.....	989
1917	8,734.98	243,070	835	26	94	3.6		5,398.59	189,485	236	66	1.99	2.8		38,989.24	41	1,558	25.04	1,112
1918	11,145.94	257,082	919	24	1.05	4.3		6,287.25	226,399	234	80	2.23	2.7		53,323.26	49	2,149	24.77	1,202
1919	11,510.41	431,071	1,007	37	95	2.7		6,080.21	272,538	235	97	2.17	2.2		32,037.22	50	1,498	21.39	1,292
1920	13,999.34	523,185	1,077	40	1.08	2.7		7,121.77	305,199	242	105	2.45	2.3		26,092.24	52	1,654	15.78	1,371
1921	16,194.56	626,471	1,138	43	1.19	2.7		8,511.75	310,447	246	105	2.88	2.7		18,710.63	53	853	21.94	437
1922	18,019.16	655,716	1,183	47	1.30	2.7		9,843.69	392,532	248	132	3.32	2.5		28,899.13	60	1,193	24.22	1,491
1923	19,139.43	785,397	1,230	53	1.29	2.4		8,457.52	273,316	254	89	2.77	3.0		32,987.40	59	1,270	25.88	1,543
Comber—																			
1915	214.87	3,181	33	.....	.....	6.8	None	274.49	3,497	33	.....	.....	7.8	None	.....	.....	.....	.....	66
1916	538.57	5,894	37	14	1.32	9.1		678.58	6,729	37	15	1.50	10.1		.....	.....	.....	.....	74
1917	541.45	6,542	39	14	1.19	8.3		689.59	7,245	36	17	1.60	9.5		.....	.....	.....	.....	75
1918	585.12	6,613	41	14	1.22	8.6		625.91	6,108	35	14	1.47	10.2		.....	.....	.....	.....	76
1919	740.75	8,609	48	15	1.29	8.6		865.75	9,253	40	19	1.80	9.4		.....	.....	.....	.....	88
1920	958.81	12,974	62	20	1.45	7.4		1,106.74	11,542	40	24	2.30	9.5		4,824.67	2	78	61.85	104
1921	1,275.54	15,852	68	20	1.65	8.0		1,289.89	16,024	40	38	2.69	8.1		5,294.15	2	92	57.54	110
1922	1,472.95	17,892	74	20	1.73	8.2		1,549.37	19,656	42	40	3.15	7.8		4,555.20	2	77	59.16	118
1923	1,743.06	30,952	77	35	1.88	5.6		1,524.22	23,835	42	47	3.02	6.3		4,527.76	2	97	46.67	121
Cooks town—																			
1918	259.56	.....	42	.....	.....	.....	None	82.15	.....	12	.....	.....	.....	None	754.50	1	.....	.....	55
1919	806.46	12,488	61	17	1.10	6.5		263.18	4,069	19	18	1.15	6.4		1,335.27	1	40	33.38	81
1920	1,388.97	18,047	71	21	1.63	7.7		468.63	5,809	21	23	1.86	8.1		1,669.48	1	40	41.74	93
1921	1,797.47	20,562	76	23	1.96	8.7		705.24	8,093	23	28	2.39	8.7		1,890.50	2	41	46.10	101
1922	1,965.07	22,020	80	23	2.09	8.8		700.17	8,095	25	28	2.43	8.6		1,207.01	1	26	46.42	106
1923	2,024.44	24,999	81	25	2.09	8.1		811.29	10,679	26	34	2.60	7.5		53.20	1	.....	.....	108
Creemore—																			
1915	699.81	6,399	78	.....	.....	10.9	Flat	937.84	7,653	59	.....	.....	12.2	Flat	939.20	1	.....	.....	138
1916	922.41	9,678	78	14	1.00	7.2		1,041.90	18,745	44	15	1.72	11.9		1,151.96	2	.....	.....	132
1917	973.25	9,257	69	11	1.11	10.5		1,124.74	11,105	55	19	1.91	10.1		1,210.57	3	54	22.42	127
1918	1,070.46	10,159	88	10	1.13	10.4		1,098.57	10,328	51	16	1.72	10.6		1,357.87	3	54	25.14	142
1919	1,229.29	10,812	93	10	1.11	11.1		1,302.94	12,642	53	20	2.05	10.4		1,392.15	5	62	22.45	151
1920	1,448.31	15,168	130	10	93	9.3		1,413.24	14,558	52	23	2.26	9.7		1,516.26	6	68	22.30	188
1921	1,808.03	.....	111	.....	1.36	.....		1,683.94	19,383	55	29	2.39	8.7		1,422.65	6	69	20.62	172
1922	1,811.54	19,254	122	14	1.30	9.4		1,506.73	17,375	59	25	2.20	8.6		1,425.85	6	65	21.94	187
1923	1,859.32	22,297	126	14	1.22	8.3		1,406.94	19,539	55	29	2.13	7.2		1,747.29	6	72	24.26	187

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality	Year	Domestic service							Commercial light							Power				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Dashwood—																				
	1918	432.06	3,742	31	8	92	11.5	Flat	311.16	2,780	15	12	1.38	11.0	Flat	2,386.71	1	46	51.88	47
	1919	462.51	4,539	35	11	1.10	10.2		373.22	3,054	18	14	1.73	12.2		2,052.60	2	53	38.73	55
	1920	578.84	6,017	39	13	1.26	9.6		408.21	3,870	21	15	1.62	10.1		1,524.60	2	52	29.32	62
	1921	662.20	7,502	43	14	1.20	8.8		484.77	3,616	22	12	1.84	13.4		1,626.21	2	54	30.11	67
	1922	806.68	8,816	46	16	1.52	9.1		648.38	5,875	24	21	2.34	11.0		1,297.43	2	50	25.95	72
	1923	954.89	10,333	51	16	1.56	9.2		713.16	5,941	26	19	2.28	12.0		1,384.67	2	52	26.62	79
Delaware—																				
	1915	146.16	.....	22	.....	.....	.....	None	114.18	.....	10	.....	.....	.....	None	.....	1	.....	.....	33
	1916	354.60	2,835	23	11	1.35	12.5		141.64	1,823	12	14	1.07	7.8		.....	.....	.....	.....	35
	1917	260.94	2,596	24	9	91	10.1		203.25	1,947	12	14	1.21	10.5		.....	.....	.....	.....	36
	1918	277.27	3,472	31	10	84	7.9		177.94	1,960	6	18	1.64	9.0		.....	.....	.....	.....	37
	1919	457.11	3,799	32	10	1.19	11.0		156.00	1,781	11	16	1.18	11.0		.....	.....	.....	.....	43
	1920	852.14	6,285	34	15	2.09	13.5		171.50	2,962	11	22	1.28	5.8		.....	.....	.....	.....	45
	1921	822.74	10,545	42	21	1.63	7.8		505.52	3,987	12	28	3.51	12.7		.....	.....	.....	.....	54
	1922	840.90	10,996	45	21	1.63	7.6		652.53	4,746	7	39	5.43	13.7		.....	.....	.....	.....	52
	1923	829.73	10,940	42	21	1.64	7.5		525.39	4,713	11	35	3.98	11.1		.....	.....	.....	.....	53
Dereham Twp.—																				
	1922	1,669.78	.....	.....	.....	.....	.....		729.12	.....	.....	.....	.....	.....		5,765.90	.....	.....	.....	.....
	1923	1,505.63	.....	.....	.....	.....	.....		808.96	.....	.....	.....	.....	.....		7,095.22	.....	.....	.....	.....

Dorchester—																			
1915	579.23	6,840	61	.....	.....	8.5	None	309.88	4,806	18	.....	.....	6.4	None	287.95	2	.....	.....	81
1916	613.03	7,329	61	10	1.84	8.4		275.82	4,879	16	19	1.35	5.7		667.93	2	.....	.....	79
1917	768.08	10,046	70	13	98	7.6		177.25	2,583	11	17	1.14	6.9		314.48	2	.....	.....	83
1918	810.17	9,895	76	11	92	8.1		188.33	2,710	13	18	1.30	6.9		34.81	1	.....	.....	90
1919	1,043.54	11,187	84	11	1.04	9.3		281.20	2,985	14	18	1.67	9.4		47.14	2	.....	.....	100
1920	1,274.20	14,260	96	12	1.11	8.9		345.51	5,428	15	30	1.92	6.4		398.94	3	.....	.....	144
1921	1,511.61	23,328	97	20	1.28	6.5		473.05	.....	15	.....	.....	.....		544.88	3	37	.....	115
1922	1,717.89	25,175	109	20	1.39	6.8		613.24	9,244	16	51	3.40	6.6		1,203.65	4	73	16.49	129
1923	1,973.07	25,720	117	19	1.40	7.6		465.45	5,879	15	32	2.58	7.9		1,450.29	4	.....	.....	136
Drayton—																			
1918	942.09	.....	83	.....	.....	.....	Flat	580.32	.....	40	.....	.....	.....	Flat	1,256.17	2	.....	.....	125
1919	1,431.29	11,060	89	11	1.34	12.9		973.35	7,450	42	15	1.93	13.1		1,542.15	1	43	35.86	132
1920	1,582.55	20,312	110	15	1.20	7.8		1,250.48	15,960	30	44	3.47	7.8		54.57	2	28	34.09	142
1921	1,925.38	25,263	106	20	1.58	7.6		1,337.86	19,850	42	40	2.68	6.7		1,223.58	2	37	33.07	.....
1922	2,078.59	33,421	117	25	1.56	6.2		1,588.41	27,843	33	61	3.48	5.7		1,566.95	2	.....	.....	152
1923	2,151.10	19,251	119	13	1.50	11.1		1,530.46	27,922	42	55	3.03	5.4		1,606.06	2	45	35.69	.....
Dresden—																			
1915	1,093.68	.....	185	.....	.....	.....		1,223.25	.....	109	.....	.....	.....		.....	.....	.....	.....	294
1916	1,995.51	26,473	197	12	87	7.5	Flat	1,986.21	30,352	106	24	1.54	6.5	Flat	.....	.....	.....	.....	303
1917	2,158.62	28,977	206	12	87	7.4		1,983.96	28,874	105	23	1.57	6.9		102.04	1	5	20.58	312
1918	2,308.18	31,560	209	12	92	7.3		2,254.48	31,305	107	24	1.77	7.2		1,198.59	2	55	21.79	318
1919	2,711.78	40,529	236	14	97	6.7		2,730.58	44,775	109	34	2.09	6.1		5,749.20	7	156	36.85	352
1920	3,165.58	49,650	244	17	1.08	6.4		2,941.56	52,213	106	41	2.31	5.6		6,765.64	8	206	32.84	358
1921	3,475.26	60,061	256	20	1.13	5.8		2,808.43	59,402	107	46	2.19	4.7		5,711.52	12	223	25.61	375
1922	3,596.86	64,325	273	20	1.13	5.5		2,925.60	66,439	113	50	2.21	4.4		4,454.51	13	188	23.69	399
1923	3,854.05	80,516	284	23	1.16	4.7		3,073.85	60,746	112	45	2.28	5.0		5,867.57	12	226	25.96	408
Drumbo—																			
1915	304.49	.....	40	.....	.....	.....	None	288.99	.....	30	.....	.....	.....	None	159.85	1	.....	.....	71
1916	340.75	4,481	35	10	77	7.5		277.43	3,718	22	15	1.12	7.6		116.57	.....	.....	.....	57
1917	350.11	4,298	38	10	81	8.1		301.20	4,084	22	15	1.14	7.4		.....	.....	.....	.....	60
1918	392.90	4,592	44	9	79	8.5		299.10	3,923	22	14	1.13	7.6		43.15	1	2	21.57	76
1919	525.50	6,384	48	11	91	8.2		464.76	6,525	23	25	1.70	7.1		199.96	1	10	20.00	72
1920	722.83	7,484	53	12	1.13	9.6		674.50	8,686	24	30	2.34	7.8		109.84	1	6	18.30	78
1921	949.84	8,490	54	13	1.47	11.2		671.94	8,500	24	29	2.33	7.9		312.34	1	.....	.....	79
1922	1,097.50	13,063	76	17	1.40	8.4		717.78	9,807	21	35	2.60	7.3		380.12	1	10	38.01	98
1923	1,187.29	14,858	77	16	1.28	7.9		728.82	10,749	22	40	2.76	6.7		287.25	1	10	28.72	100

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commerical Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Dublin—																			
1918	126.62	.....	9	.....	.....	.....	None	257.07	.....	17	.....	.....	.....	None	959.99	2	.....	.....	28
1919	186.54	2,400	13	15	1.20	7.8		352.06	4,660	18	22	1.63	7.6		826.23	2	29	28.49	33
1920	393.82	5,312	21	21	1.56	7.4		423.54	5,249	15	28	2.35	8.4		1,095.00	3	34	32.21	39
1921	503.50	5,920	21	23	1.99	8.5		562.44	5,816	19	24	2.47	9.7		1,172.31	2	37	31.68	43
1922	574.41	7,599	20	31	2.39	7.5		664.68	6,929	22	28	2.76	9.5		1,027.27	3	32	32.10	45
1923	602.42	6,665	25	22	2.00	9.1		635.38	5,448	19	23	2.78	11.6		1,166.44	4	35	33.32	48
Dundalk—																			
1916	924.30	.....	88	.....	.....	.....	Flat	960.58	.....	63	.....	.....	.....	Flat	618.52	2	.....	.....	153
1917	926.52	12,065	80	12	92	7.7		872.71	12,718	76	15	1.05	6.9		876.00	4	27	.....	160
1918	942.02	14,698	91	14	91	6.1		822.35	13,053	60	16	1.01	6.3		1,772.75	4	82	21.61	155
1919	1,024.86	16,892	99	14	86	6.1		951.61	17,053	71	20	1.12	5.6		2,306.00	4	94	24.54	174
1920	1,328.45	19,775	99	17	1.12	6.7		1,284.67	21,418	75	24	1.43	6.0		2,208.80	3	85	25.99	177
1921	1,597.79	18,834	106	15	1.24	8.5		1,680.40	29,030	77	31	1.82	5.8		2,558.03	3	84	30.45	186
1922	1,869.84	22,767	115	17	1.41	8.2		1,821.35	34,348	75	37	1.99	5.3		2,328.20	3	77	30.24	193
1923	1,951.86	26,754	122	18	1.33	7.3		1,764.69	26,126	74	29	1.98	6.7		2,829.70	4	88	32.15	.....
Dundas—																			
1913	3,045.85	.....	377	.....	.....	.....	10+25	4,193.27	.....	134	.....	.....	.....	10+25	3,070.40	27	.....	.....	538
1914	5,349.24	92,168	520	19	99	5.8		4,198.64	119,947	153	69	2.44	3.5		4,305.96	30	.....	.....	703
1915	6,139.97	128,600	613	19	90	4.8		4,310.96	157,477	160	84	2.29	2.7		6,930.54	37	.....	.....	810
1916	6,925.46	146,710	673	19	89	4.8		4,714.78	179,151	168	91	2.39	2.6		10,915.58	35	.....	.....	876
1917	8,335.64	217,654	783	25	95	3.8		4,190.60	154,950	175	75	2.04	2.7		10,284.87	38	659	15.61	996
1918	9,361.34	262,147	861	26	95	4.4		4,428.66	192,116	170	92	2.14	2.3		9,077.00	42	590	15.38	1,073
1919	10,447.60	255,119	631	34	1.40	4.1		5,111.72	213,941	145	123	2.77	2.3		13,861.02	38	839	16.52	814

1920	8,244.97	423,784	754	47	91	1.9		5,239.16	259,955	158	137	2.76	2.0		21,725.24	42	1,128	19.26	954
1921	11,047.75	426,368	848	42	1.09	2.6		6,174.18	276,662	170	136	3.03	2.2		21,717.63	50	1,074	20.22	1,068
1922	12,521.50	507,524	924	47	1.16	2.4		6,386.36	270,767	170	132	3.13	2.3		24,467.72	53	1,265	19.34	1,165
1923	15,046.86	667,581	949	58	1.23	2.4		6,862.82	282,006	165	142	3.46	2.4		24,542.12	51	1,286	19.08	1,165
Dunnville—																				
1918	3,200.84	26,019	143	.....	.....	.....	Flat	3,576.93	47,778	108	.....	.....	.....	Flat	641.00	7	49	.....	258
1919	2,540.80	62,366	171	30	1.24	4.1		5,352.52	128,280	134	80	3.33	4.2		4,649.29	15	182	25.55	320
1920	3,227.66	69,303	205	28	1.31	4.6		6,115.30	158,031	141	93	3.61	3.9		5,832.55	16	228	25.58	362
1921	3,982.33	88,049	242	30	1.37	4.5		6,971.57	192,158	142	113	4.09	3.6		5,881.01	17	233	25.24	401
1922	5,213.57	106,758	290	33	1.63	4.8		8,419.06	204,164	157	113	4.67	4.1		7,359.76	18	255	28.86	465
1923	5,884.65	127,856	347	30	1.41	4.6		7,952.73	224,045	162	115	4.09	3.5		10,252.41	23	331	30.97	532
Durham—																				
1916	1,518.72	17,091	155	.....	.....	8.9	Flat	1,057.33	13,949	67	.....	.....	8.8	Flat	.....	.....	.....	.....	222
1917	1,619.86	12,821	170	6	79	12.6		954.19	21,855	71	26	1.12	4.3		30.00	1	.....	.....	242
1918	1,812.80	20,682	183	9	85	8.7		1,067.28	16,616	82	19	1.24	6.4		782.44	1	50	15.68	266
1919	2,168.82	29,500	200	12	90	7.4		1,486.18	27,215	83	24	1.50	6.3		713.92	1	50	14.27	284
1920	3,095.24	45,075	223	17	1.15	6.7		2,182.30	37,720	86	37	2.11	5.8		2,430.41	6	116	20.95	316
1921	4,071.98	60,400	252	20	1.35	6.7		2,774.44	40,596	87	39	2.66	6.8		8,893.04	8	280	31.77	347
1922	4,480.34	63,225	273	20	1.42	7.0		3,068.96	49,900	89	47	2.90	6.1		14,269.06	8	392	36.40	370
1923	4,592.86	87,660	285	25	1.34	5.2		3,200.58	58,515	95	51	2.80	5.4		13,672.42	8	361	37.84	388
Dutton—																				
1915	318.85	3,970	108	.....	.....	8.0	Flat	206.59	2,818	43	.....	.....	7.3	Flat	.....	1	.....	.....	152
1916	1,353.04	17,243	112	13	1.03	7.8		960.27	13,256	52	23	1.34	7.2		135.31	1	.....	.....	165
1917	1,381.08	17,710	114	13	1.02	7.8		967.98	15,954	54	26	1.49	6.7		73.76	1	10	.....	169
1918	1,420.59	18,079	127	12	98	7.8		1,007.14	15,728	62	22	1.44	6.4		1,001.85	3	45	22.26	192
1919	1,640.83	23,705	139	14	99	6.9		1,105.10	20,094	70	24	1.32	5.5		2,539.93	3	83	30.60	212
1920	1,835.49	26,088	155	14	99	7.0		1,324.59	25,045	71	29	1.73	5.3		2,359.98	3	89	26.52	229
1921	2,035.51	38,559	159	20	1.07	5.3		1,410.52	32,815	75	40	1.57	4.0		2,483.44	3	93	26.70	237
1922	2,163.68	46,781	172	23	1.09	4.6		1,498.41	35,878	73	40	1.68	4.1		2,547.27	4	98	25.99	249
1923	2,479.83	62,503	171	30	1.20	3.9		1,705.44	44,064	72	51	1.97	3.8		3,050.53	6	111	27.48	249
Elmira—																				
1914	1,908.41	20,875	158	.....	.....	9.5	11.4+	2,020.81	28,490	65	.....	.....	7.1	11.4+	1,876.49	8	.....	.....	231
1915	2,059.11	27,576	185	13	1.00	7.5	10	1,674.44	28,368	85	32	1.85	5.9	1	2,801.33	10	.....	.....	280
1916	2,211.16	30,817	233	12	88	7.2		1,665.69	35,515	92	33	1.56	4.7		3,635.22	12	.....	.....	338
1917	2,383.62	38,918	238	14	84	6.1		1,854.61	47,159	91	43	1.70	3.9		3,613.47	13	162	22.31	342
1918	2,701.28	51,735	243	17	93	5.2		1,988.36	54,317	89	50	1.84	3.6		4,277.44	14	169	25.31	346
1919	3,206.49	68,574	269	21	98	4.7		2,207.99	68,820	79	73	2.33	3.2		4,621.96	13	196	23.58	361
1920	4,582.08	123,941	313	33	1.22	3.7		2,821.51	82,169	94	73	2.50	3.4		6,117.79	15	235	26.03	422
1921	5,990.36	191,037	348	46	1.43	3.1		3,082.61	95,700	98	81	2.62	3.2		8,020.20	22	416	19.28	468
1922	7,142.86	270,347	383	61	1.63	2.6		4,014.00	103,874	98	88	3.41	3.8		11,132.93	21	453	24.58	502
1923	8,686.57	363,357	407	74	1.78	2.3		4,414.87	124,086	108	95	3.40	3.5		12,359.39	22	483	25.58	537

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Elmvale—																			
1913	284.34	.....	52	.....	.....	.....	None	358.60	.....	52	.....	.....	.....	None	.....	1	.....	.....	105
1914	673.18	6,856	57	10	1.03	9.9		896.11	15,402	48	25	1.49	5.8		438.38	2	.....	.....	107
1915	704.12	7,728	78	10	87	9.1		778.93	16,193	64	25	1.16	3.9		1,186.44	2	.....	.....	144
1916	816.74	10,562	81	11	85	7.7		736.74	18,644	62	25	97	5.0		1,043.96	3	.....	.....	146
1917	881.20	11,868	89	11	86	7.4		696.79	13,041	61	19	95	5.3		810.96	3	.....	.....	153
1918	941.28	12,895	91	11	87	7.2		873.52	16,755	57	23	1.23	5.2		3,699.00	4	159	23.26	152
1919	1,027.05	13,781	98	12	87	7.2		1,030.63	18,028	57	26	1.51	5.8		3,860.83	5	145	26.63	160
1920	1,313.94	16,383	101	13	1.08	8.0		1,120.45	22,548	63	30	1.48	4.9		3,722.19	5	149	24.98	169
1921	1,491.09	17,927	100	15	1.24	8.3		1,501.27	21,738	64	28	1.96	6.9		4,239.56	7	168	25.24	171
1922	1,628.91	22,950	109	18	1.30	7.1		1,437.30	27,523	59	37	1.96	5.2		3,796.04	10	153	24.81	178
1923	1,518.13	25,895	110	19	1.15	5.8		1,476.20	26,955	61	36	2.01	5.4		4,129.47	10	167	24.72	181
Elmwood—																			
1918	282.62	.....	30	.....	.....	.....	None	83.93	.....	15	.....	.....	.....	None	896.32	1	.....	.....	46
1919	467.59	6,266	32	16	1.22	7.5		196.91	2,858	17	14	96	6.9		1,429.31	1	47	30.41	50
1920	592.57	7,950	33	20	1.50	7.4		351.78	5,273	19	24	1.63	6.8		1,514.17	1	46	33.00	53
1921	762.83	8,570	38	19	1.67	8.9		545.58	5,970	17	29	2.67	9.1		1,802.31	1	47	38.35	56
1922	792.14	8,528	35	20	1.83	9.2		528.92	5,710	19	26	2.44	9.2		1,345.94	1	38	35.42	55
1923	693.42	6,985	34	17	1.69	9.9		463.03	4,098	18	18	2.14	11.2		1,329.93	1	36	36.94	.....
Elora—																			
1915	1,044.49	14,009	89	.....	.....	7.4	10+25	1,820.07	25,431	60	.....	.....	7.1	10+25	197.78	1	.....	.....	150
1916	1,253.03	20,500	105	18	1.08	6.1		1,828.25	27,945	63	38	2.48	6.5		972.12	2	.....	.....	170
1917	1,400.12	31,600	123	23	1.02	4.4		1,937.30	40,200	64	52	2.52	4.8		3,640.75	2	120	30.34	189
1918	1,537.70	28,173	134	18	99	5.4		1,765.65	34,357	59	46	2.39	5.1		5,087.10	2	162	31.40	195

1919	1,809.72	34,910	139	21	1.09	5.2		2,093.34	45,935	65	59	2.65	4.5		7,440.12	3	242	30.74	207
1920	2,256.60	49,514	186	22	1.01	4.6		2,362.02	57,754	70	69	2.81	4.1		6,997.35	3	212	33.01	259
1921	2,590.55	61,731	205	25	1.05	4.2		2,394.68	52,436	68	64	2.94	4.6		6,144.11	3	215	28.58	276
1922	3,407.43	74,104	246	27	1.26	4.6		2,902.98	69,703	70	84	3.50	4.1		8,386.26	3	264	31.77	319
1923	4,093.85	99,973	256	32	1.33	4.0		3,097.29	64,916	65	83	3.97	4.7		9,145.65	3	255	35.86	324
Embro—																			
1915	400.50	.....	65	.....	.....	.....	None	489.67	.....	30	.....	.....	.....	None	.....	.....	.....	.....	95
1916	633.95	5,690	58	7	85	11.1		598.41	10,333	29	29	1.66	5.8		155.54	2	.....	.....	89
1917	664.53	5,391	60	8	94	12.3		522.37	6,322	31	18	1.45	8.2		132.76	2	.....	.....	93
1918	708.60	6,811	64	9	95	10.4		603.76	5,708	36	14	1.50	10.5		267.29	3	13	20.56	103
1919	963.98	10,443	66	13	1.22	9.2		809.77	8,631	35	20	1.93	9.4		979.29	3	34	28.80	104
1920	1,189.47	11,670	71	14	1.40	10.0		1,073.32	8,358	31	22	1.88	12.8		1,722.08	3	51	33.72	105
1921	1,512.70	13,012	73	15	1.73	11.6		1,234.16	10,559	36	24	2.86	11.7		1,930.84	3	50	38.62	112
1922	1,601.30	14,321	81	16	1.73	11.1		1,385.94	10,931	31	27	3.49	12.6		1,712.69	3	48	35.68	115
1923	1,714.85	18,844	82	19	1.74	9.1		1,264.94	13,372	33	33	3.19	9.4		1,825.88	4	65	28.25	119
Etobicoke Twp.—																			
1918	16,081.39	.....	.....	.....	.....	.....	8+25	1,816.74	.....	.....	.....	.....	.....	8+25	5,027.80	.....	.....	.....	.....
1919	11,905.18	.....	864	.....	.....	.....		1,567.41	.....	60	.....	.....	.....		5,010.68	13	236	21.23	937
1920	17,352.35	129,700	1,140	.....	.....	.....		1,985.92	40,600	77	.....	.....	.....		5,078.76	12	253	20.07	1,229
1921	21,326.96	441,178	1,515	24	1.17	4.8		2,734.25	56,592	83	57	2.74	4.8		5,076.25	14	295	17.21	1,612
1922	29,162.15	639,888	2,166	28	1.32	4.5		3,737.70	116,924	130	91	2.93	3.2		6,019.24	14	295	20.40	2,310
1923	46,352.59	1,092,985	2,704	33	1.42	4.2		6,445.75	157,518	176	74	3.05	4.0		6,743.04	19	358	19.11	2,899
Exeter—																			
1917	2,030.27	25,524	170	13	99	7.9	10+25	1,784.53	21,152	87	20	1.71	8.4	10+25	2,363.60	3	92	25.69	260
1918	2,327.79	29,434	187	14	1.10	7.9		1,803.63	21,753	84	21	1.75	8.2		4,163.70	3	140	29.74	274
1919	2,806.26	41,835	211	16	1.11	6.9		2,383.33	30,522	88	29	2.26	7.8		4,159.40	5	143	29.09	304
1920	3,402.65	50,578	234	18	1.22	6.7		2,558.70	34,103	94	30	2.27	7.5		4,398.97	7	162	27.16	335
1921	4,196.23	88,361	278	26	1.26	4.7		2,815.15	43,927	90	41	2.61	6.4		4,916.13	7	182	27.01	375
1922	5,217.29	133,719	304	38	1.49	3.9		3,069.92	48,291	92	44	2.81	6.3		5,270.23	8	187	28.18	404
1923	6,182.73	177,624	326	45	1.58	3.5		3,081.61	54,157	97	46	2.64	5.6		5,720.97	8	199	28.75	431
Fergus—																			
1915	1,314.03	19,328	114	.....	.....	6.8	10+25	2,367.91	37,844	91	.....	.....	6.3	10+25	882.24	7	.....	.....	212
1916	1,621.27	24,275	149	16	1.03	6.7		2,111.16	34,953	92	32	2.00	6.0		2,819.21	7	.....	.....	248
1917	1,822.14	29,351	177	15	93	6.2		2,028.47	37,127	93	33	1.82	5.5		1,959.57	8	67	29.25	278
1918	2,086.39	42,774	198	19	92	4.8		2,099.60	44,824	87	41	1.94	4.6		3,332.50	10	125	26.66	295
1919	2,629.72	47,157	212	19	1.03	5.5		2,699.88	60,017	86	58	2.68	4.5		3,573.66	10	153	23.36	308
1920	3,030.75	58,538	291	17	87	5.2		2,775.01	51,512	96	45	2.41	5.4		3,522.57	12	152	23.17	399
1921	4,072.20	70,683	310	19	1.10	5.7		3,873.68	74,448	100	62	3.23	5.2		4,191.93	15	224	18.71	425
1922	6,037.68	143,806	342	36	1.54	4.2		4,011.60	82,405	103	67	3.30	4.8		5,555.43	15	261	21.29	460
1923	6,020.34	186,237	380	32	1.32	3.2		3,902.24	90,164	96	78	3.38	4.3		6,190.06	13	293	21.12	489

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality	Year	Domestic service							Commercial light							Power				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Flesherton—																				
	1916	568.76	.....	73	.....	.....	.....	None	423.83	.....	30	.....	.....	.....	None	.....	.....	.....	.....	103
	1917	621.93	8,364	70	9	74	7.4		387.92	7,545	31	20	1.04	5.1		.....	.....	.....	.....	101
	1918	593.44	8,116	52	11	81	9.3		426.20	6,647	28	18	1.20	6.4		160.58	1	17	.....	81
	1919	725.42	.....	70	.....	.....	.....		437.61	.....	37	.....	.....	.....		970.27	2	55	17.63	109
	1920	1,152.24	.....	85	.....	1.13	.....		763.00	.....	39	.....	1.62	.....		701.76	1	37	18.97	125
	1921	1,585.13	17,321	85	17	1.55	9.1		1,278.80	17,987	37	40	2.88	6.5		446.07	1	25	17.84	123
	1922	1,791.37	.....	88	.....	.....	.....		1,466.00	.....	39	.....	.....	.....		425.76	1	25	17.03	128
	1923	1,311.25	.....	91	.....	.....	.....		1,145.06	.....	41	.....	.....	.....		424.53	1	25	16.98	.....
Ford City—																				
	1922	6,501.74	.....	912	.....	.....	.....		1,745.29	.....	112	.....	.....	.....		8,328.14	23	.....	.....	.....
	1923	23,500.72	1,024,161	1,155	73	1.69	2.2		8,059.08	302,516	150	168	4.47	2.6		31,668.46	30	1,195	26.50	1,335
Forest—																				
	1917	.....	.....	260	.....	.....	.....	10	.....	.....	104	.....	.....	.....	10	.....	6	.....	.....	370
	1918	2,890.91	28,976	268	9	90	9.9		1,899.09	16,504	100	13	1.55	11.5		4,048.14	8	113	35.82	376
	1919	3,307.14	33,720	281	10	97	9.8		2,187.74	22,253	116	16	1.57	9.8		4,076.79	14	118	35.40	411
	1920	4,406.18	41,264	311	12	1.16	9.8		2,696.04	25,704	102	21	2.20	10.5		4,310.29	14	124	34.76	427
	1921	5,366.42	54,057	337	13	1.33	9.9		3,348.69	37,018	106	30	2.63	9.0		4,195.47	15	124	33.83	458
	1922	5,784.92	71,850	375	17	1.35	8.0		3,550.92	46,906	102	37	2.83	7.5		4,677.37	20	135	34.65	497
	1923	5,991.76	84,858	391	18	1.27	7.0		3,584.25	56,397	104	45	2.87	6.5		3,455.66	22	123	28.09	517

Galt—																			
1912	8,183.69	.....	830	.....	1.22	.....	11	9,732.86	.....	250	.....	.....	.....	11	10,042.59	47	.....	.....	1,127
1913	10,535.38	.....	1,122	.....	1.10	.....		11,648.49	.....	353	.....	3.25	.....		16,575.61	65	.....	.....	1,540
1914	15,797.16	300,121	1,745	20	1.08	5.3		11,952.75	289,857	339	68	2.80	4.1		23,826.87	70	.....	.....	2,154
1915	17,024.42	512,443	2,038	23	75	3.3		8,794.36	350,788	375	92	2.10	2.3		30,547.84	75	.....	.....	2,488
1916	19,961.17	716,396	2,236	28	78	2.8		10,485.26	532,860	386	115	2.30	2.0		36,029.78	79	.....	.....	2,701
1917	24,248.31	1,023,106	2,444	36	86	2.4		12,082.97	694,661	371	156	2.71	1.7		48,261.79	83	2,716	17.77	2,898
1918	26,901.52	1,221,416	2,460	41	91	2.2		12,190.29	602,628	371	135	2.73	2.0		54,541.61	87	3,082	17.69	2,918
1919	29,669.11	1,409,698	2,594	46	96	2.1		13,856.90	696,221	381	152	3.03	2.0		43,775.91	100	2,632	16.63	3,075
1920	38,460.34	1,925,475	2,766	58	1.17	2.0		17,575.07	856,285	404	176	3.63	2.0		49,159.43	103	3,032	16.21	3,273
1921	44,879.01	2,460,073	2,962	70	1.26	1.8		19,055.01	963,067	417	192	3.81	2.0		47,079.49	107	3,259	14.45	3,486
1922	61,672.58	3,408,568	3,092	92	1.66	.....		23,325.29	1,122,766	442	212	4.40	2.0		60,032.86	118	3,420	17.55	3,652
1923	67,731.45	.....	3,242	.....	1.74	.....		23,275.04	.....	492	.....	3.94	.....		64,340.37	120	3,310	19.43	3,854
Georgetown—																			
1913	661.49	.....	160	.....	.....	.....	10+10	842.87	.....	50	.....	.....	.....	10+10	234.32	5	.....	.....	285
1914	3,069.02	42,328	242	17	1.27	7.2		2,362.33	29,544	75	59	3.15	8.0		2,976.61	17	.....	.....	334
1915	2,999.83	43,392	294	14	93	6.9		2,276.41	35,318	97	34	2.20	8.9		8,734.01	16	.....	.....	407
1916	3,174.63	56,191	306	16	88	5.6		2,101.00	53,129	99	45	1.79	3.3		10,726.24	21	.....	.....	426
1917	3,370.42	66,131	319	18	90	5.1		2,291.61	51,373	90	45	2.03	4.5		12,714.94	22	454	28.45	431
1918	3,830.25	80,314	330	20	98	4.7		2,345.75	52,361	84	50	2.24	4.5		13,184.53	24	475	27.75	438
1919	3,797.66	102,486	380	23	84	3.7		2,428.41	79,906	103	65	1.97	3.0		12,754.41	28	552	23.11	511
1920	4,599.82	118,109	373	26	1.03	3.9		3,276.91	99,553	94	88	2.90	3.3		15,701.12	28	639	24.57	495
1921	5,043.90	160,795	419	32	1.00	3.1		2,964.37	94,999	100	80	2.47	3.1		13,546.94	29	659	20.56	548
1922	6,423.03	227,174	556	39	1.09	2.8		3,400.50	122,264	126	90	2.51	2.7		17,400.06	31	643	27.06	713
1923	8,346.96	288,103	559	42	1.24	2.8		3,404.54	128,367	91	117	3.11	2.6		20,304.47	27	734	27.70	657
Glencoe—																			
1920	630.50	.....	124	.....	.....	.....	8	675.34	.....	56	.....	.....	.....	10	130.68	2	.....	.....	182
1921	2,927.75	32,362	143	19	1.71	9.0		2,724.24	23,674	62	32	3.66	11.5		2,110.44	3	46	45.88	208
1922	3,281.92	39,096	172	21	1.74	8.4		2,688.42	34,343	65	45	3.56	7.8		2,219.92	4	51	43.53	241
1923	3,704.11	33,480	186	15	1.68	11.0		2,609.05	24,940	69	30	3.15	10.4		2,214.33	6	65	34.07	261
Goderich—																			
1914	7,197.00	83,805	400	.....	.....	8.6	9	4,196.49	79,874	155	.....	.....	5.3	9	1,240.73	10	.....	.....	565
1915	6,072.51	92,406	441	18	1.20	6.6		5,066.76	121,599	168	62	2.60	4.1		5,645.26	8	.....	.....	617
1916	7,086.32	108,654	511	19	1.24	6.5		5,253.15	98,221	159	50	2.68	5.4		5,498.56	19	.....	.....	679
1917	8,161.85	132,899	539	21	1.29	6.1		5,127.44	99,868	150	54	2.75	5.1		7,079.23	10	252	28.09	699
1918	7,980.21	133,723	566	20	1.20	5.9		4,663.62	86,241	147	48	2.61	5.4		12,485.34	16	428	29.17	729
1919	8,216.24	215,512	690	26	98	3.8		5,317.77	118,955	163	61	2.39	3.9		18,894.59	13	516	36.62	866
1920	10,687.31	203,717	793	21	1.12	5.2		6,367.10	152,382	179	71	2.96	4.2		16,550.96	17	403	41.07	989
1921	12,258.50	258,684	816	26	1.25	4.7		6,097.39	167,942	182	77	2.80	3.6		15,859.39	17	452	35.09	1,015
1922	13,932.54	240,383	916	23	1.34	5.8		6,775.78	175,075	187	79	3.05	3.8		15,156.13	14	393	38.57	1,117
1923	16,341.86	407,166	1,008	33	1.35	4.0		8,663.03	214,344	207	86	3.48	4.0		18,246.94	19	503	36.47	1,234

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Grand Valley—																			
1917	714.68	7,474	55	11	1.08	9.6	10+25	964.59	10,065	54	10	1.50	9.6	10+25	.....	1	.....	.....	110
1918	848.56	10,089	58	14	1.25	8.4		967.98	11,113	48	18	1.58	8.7		1,581.78	2	38	41.62	108
1919	1,110.28	14,172	69	15	1.34	8.8		987.20	11,582	48	20	1.55	7.8		1,582.91	1	48	32.97	117
1920	1,725.49	19,477	87	19	1.65	8.8		1,484.90	16,388	50	27	2.47	9.1		1,631.54	1	48	33.99	138
1921	2,202.44	23,149	98	20	1.87	9.5		2,157.32	17,781	53	28	3.40	12.1		1,869.20	2	53	35.27	153
1922	2,493.03	24,664	103	19	2.49	10.1		2,262.67	19,655	53	31	3.56	11.5		1,786.85	2	58	30.80	158
1923	2,599.23	30,833	114	23	1.90	8.4		2,322.94	21,125	52	33	3.72	10.9		2,042.86	2	58	35.22	168
Granton—																			
1917	484.69	5,782	42	12	96	8.4	None	176.93	1,774	16	.....	.....	10.0	None	333.85	1	.....	.....	59
1918	552.01	5,580	48	10	1.02	9.8		203.06	1,690	18	8	99	12.0		1,396.61	1	47	29.71	67
1919	661.90	7,000	51	11	1.08	9.4		265.43	1,750	21	7	1.05	15.2		1,321.67	1	41	32.23	73
1920	886.41	11,599	57	18	1.49	7.9		407.45	5,355	21	21	1.60	7.6		1,562.80	2	45	34.73	80
1921	1,085.25	15,898	63	21	1.44	6.8		508.75	6,265	22	24	1.93	8.1		1,747.17	2	42	41.60	87
1922	1,184.71	18,110	63	24	1.57	6.5		532.53	6,159	23	22	1.93	8.6		1,637.41	2	42	38.99	88
1923	1,170.46	23,657	63	31	1.54	4.9		519.99	7,326	24	25	1.80	7.0		1,851.57	2	44	42.08	89
Gravenhurst—																			
1917	2,350.79	39,025	251	13	78	6.0	Flat	4,412.55	171,716	69	207	5.33	2.6	Flat	4,892.05	9	292	16.76	329
1918	1,995.82	37,930	264	12	64	5.2		4,624.55	141,329	59	184	5.89	3.2		4,786.06	8	352	13.59	331
1919	2,326.25	51,625	269	16	72	4.5		4,901.04	196,134	74	221	5.52	2.5		4,991.09	10	313	15.94	353
1920	2,832.40	.....	290	.....	81	.....		4,762.31	.....	80	.....	.....	.....		6,576.74	12	.....	.....	382
1921	4,219.34	69,942	294	20	1.20	6.0		6,239.31	214,246	75	238	6.93	2.9		5,528.86	12	213	25.96	381
1922	5,284.76	83,449	338	22	1.39	6.3		3,445.13	88,109	78	95	3.73	3.9		8,246.95	11	302	27.31	427
1923	5,748.58	116,601	343	28	1.39	4.9		3,967.40	141,469	88	133	3.65	3.5		9,809.11	11	354	27.70	442

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Guelph—																				
1912	10,251.87	.....	960	.....	.....	.....	8+25	16,400.57	.....	345	.....	.....	.....	8+15	30,139.00	73	.....	.....	1,378
1913	11,528.07	224,373	1,260	17	87	5.2		15,075.61	287,561	400	67	3.38	5.2		42,091.34	85	.....	.....	1,745
1914	16,920.54	286,032	1,573	17	1.00	5.9		15,923.51	325,080	441	65	3.16	4.9		38,148.46	80	.....	.....	2,094
1915	15,514.10	366,928	1,824	18	76	4.2		12,692.86	437,567	474	83	2.32	2.8		38,404.28	81	.....	.....	2,379
1916	17,221.76	469,528	2,033	20	74	3.7		13,710.72	522,526	490	91	2.36	2.6		48,369.83	86	.....	.....	2,609
1917	19,379.44	594,936	2,202	23	77	3.3		13,760.01	576,911	505	97	2.31	2.4		57,380.71	87	2,578	22.26	2,794
1918	21,594.80	666,422	2,380	24	78	3.2		13,070.44	589,498	512	96	2.14	2.2		62,480.67	83	3,496	17.87	2,975
1919	25,157.62	862,801	2,677	27	89	3.3		15,487.44	783,989	529	123	2.44	2.0		54,810.39	89	3,437	15.95	3,295
1920	30,371.10	1,152,485	3,064	32	83	2.6		19,523.95	905,198	548	138	2.97	2.2		69,534.96	93	4,376	15.89	3,705
1921	38,421.71	1,422,305	3,292	36	97	2.7		23,439.07	987,198	579	142	3.37	2.4		72,549.55	90	5,036	14.41	3,961
1922	47,212.44	2,000,093	3,610	48	1.14	2.3		28,146.36	1,154,197	601	163	3.97	2.4		89,341.42	103	5,205	17.16	4,314
1923	58,659.14	2,975,898	3,938	62	1.26	1.9		31,887.33	1,388,240	615	188	4.33	2.2		110,771.29	106	4,951	22.37	4,659
Hagersville—																				
1913	81.92	.....	3	.....	.....	.....	None	*	.....	24	.....	.....	.....	None	746.85	3	.....	.....	30
1914	1,222.23	16,053	70	.....	.....	5.4		*	6,446	60	.....	.....	5.4		2,679.08	3	.....	.....	133
1915	1,172.85	23,213	114	21	1.06	5.1		1,592.59	22,676	73	28	1.99	5.2		2,434.62	3	.....	.....	190
1916	1,606.80	30,025	127	21	1.11	5.4		1,343.82	27,840	69	32	1.58	4.8		2,527.92	4	.....	.....	200
1917	1,602.64	29,611	138	19	1.01	5.4		1,252.54	34,696	68	42	1.54	3.6		2,289.37	4	88	26.02	210
1918	1,624.89	32,496	140	19	97	5.0		1,299.96	42,757	68	52	1.59	3.0		2,632.30	3	98	26.86	311
1919	1,808.19	42,127	148	24	1.02	4.3		1,400.40	49,344	78	53	1.50	2.8		6,863.75	6	242	28.40	232
1920	2,132.34	58,634	170	29	1.04	3.6		1,611.37	60,494	75	67	1.79	2.7		9,129.99	10	308	29.64	255
1921	2,340.28	69,826	179	32	1.09	3.3		1,928.84	85,482	83	86	1.94	2.2		12,919.71	10	446	29.87	272
1922	2,630.39	80,478	203	35	1.15	3.2		2,631.95	103,369	88	100	2.55	2.5		14,602.84	12	542	26.94	303
1923	2,917.04	99,920	225	37	1.08	3.0		2,637.05	116,154	86	127	2.89	2.3		16,144.66	12	560	28.87	323
Hamilton—																				
1913	34,451.95	862,937	5,117	.....	.....	3.9	8+25	25,453.99	628,471	924	.....	.....	4.1	8	47,415.58	209	.....	.....	6,250
1914	74,668.38	1,856,627	8,404	23	92	4.0		35,125.57	1,309,863	1,375	95	2.55	3.4		70,665.43	337	.....	.....	10,116
1915	92,207.60	2,514,104	10,595	23	81	3.7		34,633.16	1,840,920	1,434	109	2.06	1.9		84,789.71	406	.....	.....	12,435
1916	108,137.22	3,625,059	12,423	26	78	3.0		36,126.03	2,085,601	1,546	116	2.02	1.8		115,224.78	464	.....	.....	14,433
1917	135,224.12	5,276,696	14,340	32	84	2.6		36,740.19	2,426,174	1,668	126	1.91	1.5		137,249.87	526	8,010	17.13	16,534
1918	157,020.32	6,582,496	15,421	36	87	2.3		37,154.72	2,467,464	1,664	123	1.85	1.5		172,313.53	523	11,673	14.76	17,608
1919	187,079.25	8,236,029	17,652	39	88	2.3		44,372.46	3,501,915	1,826	160	2.02	1.3		198,180.83	589	14,007	12.79	20,067
1920	194,103.14	8,958,561	18,195	41	94	2.3		44,501.23	3,861,584	1,831	176	2.02	1.1		248,270.75	598	18,721	13.26	20,624
1921	237,348.81	11,042,726	19,822	46	1.00	2.1		53,217.08	4,432,935	2,021	183	2.20	1.2		222,378.34	629	16,312	13.63	22,472
1922	277,025.34	14,747,340	21,620	59	1.11	1.9		63,683.93	4,982,377	2,243	195	2.49	1.3		272,417.09	678	18,800	14.49	24,541
1923	356,342.84	20,527,886	24,543	70	1.21	1.7		94,431.49	6,348,028	2,564	206	3.07	1.5		323,465.87	708	21,662	14.93	27,815
Hanover—																				
1918	3,981.55	29,694	335	.....	.....	.....	12.5	3,403.10	47,384	92	.....	.....	.....	12.5	8,034.96	9	169	.....	436
1919	4,708.40	83,594	337	21	1.16	5.6		3,023.83	56,924	97	49	2.60	5.3		14,737.24	10	413	35.68	444
1920	6,599.51	123,161	435	24	1.26	5.3		3,852.40	76,626	92	53	3.49	6.5		16,954.80	14	604	28.07	541
1921	8,978.84	191,292	467	34	1.60	4.7		4,807.51	83,610	110	63	3.64	5.7		39,475.98	14	1,162	33.97	591
1922	10,616.67	237,998	523	40	1.79	4.5		5,168.56	99,024	108	76	3.95	5.2		45,903.15	16	1,505	30.50	647
1923	11,073.20	.....	564	.....	1.63	.....		5,016.69	.....	104	.....	4.01	.....		46,729.25	17	1,477	31.63	685

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Harriston—																			
1917	1,556.49	18,184	132	12	98	8.6		1,935.38	21,868	68	27	2.37	8.8	10	2,686.93	6	78	34.45	206
1918	1,774.96	21,205	148	12	1.05	8.3	10	1,277.37	21,281	67	26	1.57	6.0		2,663.69	5	85	31.33	220
1919	2,063.50	28,480	175	14	1.04	7.4		1,828.60	5,227	76	28	2.01	7.2		4,394.24	10	136	32.31	261
1920	2,809.01	40,199	202	17	1..16	7.0		2,377.90	35,117	78	37	2.54	6.8		9,709.58	9	240	40.46	289
1921	3,412.75	51,821	221	19	1.29	6.6		2,498.35	46,413	78	50	2.67	5.4		8,326.78	7	239	34.84	306
1922	3,517.32	57,614	232	21	1.29	6.1		2,504.69	37,531	79	40	2.64	6.7		7,309.26	9	204	35.83	320
1923	3,762.07	70,916	245	24	1.27	5.3		2,633.19	54,860	88	51	2.49	4.7		7,257.36	9	202	35.92	342
Havelock—																			
1922	4,476.92	65,021	262	21	1.42	6.9		1,429.97	16,779	62	24	1.92	8.5		136.43	1	10	27.29	325
1923	4,870.76	68,772	266	21	1.52	7.0		1,548.84	20,887	62	28	2.06	7.4		451.55	1	20	22.57	329
Hensall—																			
1917	1,038.57	10,872	89	11	1.06	9.6	12+20	610.79	7,046	36	18	1.54	8.7	12+20	81.39	2	.....	.....	127
1918	1,226.25	11,323	105	9	96	10.8		661.21	5,792	40	12	1.45	11.4		1,729.36	5	57	30.34	150
1919	1,602.39	19,924	116	14	1.07	8.0		886.86	10,657	43	21	1.72	8.3		2,703.95	6	127	21.29	165
1920	1,864.17	23,805	120	16	1.29	7.8		1,083.69	11,877	43	23	2.10	9.1		1,776.05	6	115	15.44	169
1921	2,099.20	25,997	121	18	1.45	8.1		1,391.61	14,850	44	28	2.64	9.4		1,096.52	6	70	15.66	171
1922	2,369.38	27,429	137	18	1.53	8.6		1,439.11	23,680	45	44	2.66	6.1		1,220.45	10	81	15.07	192
1923	2,591.25	36,592	141	21	1.53	7.0		1,507.49	15,318	54	23	2.32	9.8		1,611.38	11	97	16.62	205
Hespeler—																			
1913	2,189.00	.....	174	.....	.....	.....	10+15	1,684.75	.....	76	.....	.....	.....	10+15	5,044.30	11	.....	.....	261
1914	2,635.41	34,848	229	14	1.09	7.6		1,934.75	35,979	85	37	2.00	5.4		6,116.27	13	.....	.....	327
1915	2,787.48	39,580	272	11	90	7.0		2,334.15	39,657	90	38	2.22	5.9		9,017.58	14	.....	.....	376
1916	3,011.73	54,239	277	17	92	5.5		2,012.28	44,900	84	43	1.93	4.5		11,177.71	12	.....	.....	273

1917	3,679.79	66,932	312	19	1.04	5.5		2,389.80	53,306	86	52	2.18	4.5		10,166.33	11	394	25.80	409
1918	3,835.53	77,373	336	19	98	4.9		2,024.34	49,635	83	48	1.99	4.0		9,186.68	13	357	25.73	432
1919	4,286.70	92,959	374	21	96	4.6		2,194.16	68,184	84	68	2.18	3.2		6,554.78	11	299	21.92	469
1920	5,626.85	137,540	442	26	1.06	4.1		2,414.32	69,459	89	65	2.26	3.5		8,162.54	13	410	19.90	544
1921	6,648.35	178,741	480	31	1.15	3.7		2,803.97	87,965	95	74	2.46	3.2		7,239.45	17	387	18.71	592
1922	8,011.51	235,605	545	38	1.30	3.4		3,324.81	102,091	103	94	2.79	3.2		10,230.23	19	498	20.54	667
1923	9,891.17	331,625	587	47	1.26	2.2		3,506.05	111,833	102	91	2.86	3.1		13,876.75	18	678	20.46	707
Highgate—																				
1917	416.49	4,447	41	9	85	9.4	None	467.76	4,373	21	17	1.86	10.7	None	.....	1	.....	.....	63
1918	456.79	5,342	45	10	88	8.5		502.27	4,880	25	17	1.81	10.2		2,556.33	3	76	33.63	73
1919	618.65	6,410	51	11	1.01	9.2		598.12	7,224	29	21	1.72	8.3		2,071.70	3	79	26.22	83
1920	861.91	9,042	59	14	1.22	8.7		738.31	8,264	30	23	2.05	8.9		1,675.67	6	70	23.94	95
1921	1,065.47	11,736	61	16	1.46	9.1		879.37	12,613	31	34	2.36	7.0		1,318.16	6	39	33.80	98
1922	1,092.54	13,118	69	17	1.40	8.3		925.94	12,151	32	32	2.45	7.6		1,606.09	5	70	22.94	106
1923	1,185.36	15,703	82	15	1.20	7.5		930.54	13,785	32	35	2.42	6.7		2,032.28	5	65	31.26	119
Holstein—																				
1917	238.48	2,366	26	8	86	10.1	None	209.74	2,672	15	15	1.17	7.9	None	.....	.....	.....	.....	41
1918	256.54	1,957	27	6	80	13.1		263.55	2,505	16	13	1.41	10.5		.....	.....	.....	.....	43
1919	308.37	2,899	28	9	92	10.6		228.57	3,055	18	14	1.06	7.5		752.37	1	27	27.87	47
1920	459.38	5,368	29	16	1.32	8.5		405.80	2,883	18	13	1.88	14.1		109.47	1	7	15.63	48
1921	510.16	3,864	27	12	1.57	13.2		472.86	.....	18	.....	.....	.....		215.76	1	7	30.82	46
1922	653.43	3,318	32	.....	.....	.....		610.58	3,773	20	.....	.....	.....		172.68	1	7	24.67	53
1923	686.19	4,489	33	11	1.73	15.2		672.39	5,067	21	20	2.66	13.2		154.63	1	7	22.09	55
Huntsville—																				
1917	3,597.74	.....	270	.....	.....	.....	10	1,265.03	.....	82	.....	.....	.....	10	13,569.75	3	.....	.....	355
1918	3,614.59	41,768	272	12	1.11	8.6		1,802.91	31,142	83	31	1.82	5.7		13,881.58	3	.....	.....	358
1919	4,899.77	97,860	276	30	1.50	5.0		1,862.04	52,361	66	66	2.35	3.5		14,605.94	7	.....	.....	349
1920	6,953.49	141,862	335	35	1.73	4.9		3,233.63	57,880	93	52	2.89	5.6		15,311.98	6	832	18.40	434
1921	8,380.90	.....	.....	.....	.....	.....		4,325.78	.....	.....	.....	.....	.....		14,445.74	7	883	16.36	.....
1922	8,645.00	151,560	384	33	1.88	5.7		4,920.30	73,504	98	63	4.18	6.7		14,359.07	6	883	16.26	488
1923	9,446.17	326,310	425	63	1.85	2.8		5,446.44	74,926	98	63	4.63	7.2		14,838.91	8	888	16.71	531
Ingersoll—																				
1912	3,073.73	.....	220	.....	.....	.....	8+25	6,648.28	.....	142	.....	.....	.....	8+25	14,430.66	38	.....	.....	400
1913	3,595.03	43,406	278	14	1.20	8.3		6,048.51	81,724	170	44	3.23	7.4		15,293.44	44	.....	.....	492
1914	5,085.32	68,342	416	12	1.22	7.5		6,359.72	106,689	194	46	2.32	5.9		12,818.27	48	.....	.....	658
1915	5,480.52	102,537	497	19	1.00	5.3		5,716.91	139,428	197	60	2.46	4.1		16,251.18	52	.....	.....	746
1916	6,857.94	127,449	590	20	1.05	5.4		6,540.51	176,757	206	73	2.70	3.7		20,380.90	51	.....	.....	847
1917	7,465.96	152,188	679	20	98	4.9		6,617.53	194,927	196	81	2.74	3.3		21,747.80	53	967	22.49	928
1918	7,622.97	160,226	716	19	91	4.7		5,560.92	164,341	187	71	2.42	3.3		21,413.08	45	994	21.54	948
1919	9,214.11	201,357	809	21	95	4.6		6,229.81	196,142	200	82	2.60	3.2		22,036.72	50	1,123	19.62	1,059
1920	11,307.12	319,520	936	28	1.01	3.5		6,419.44	267,649	220	101	2.43	2.4		23,666.00	55	1,289	18.35	1,211
1921	12,913.37	499,331	1,016	41	1.06	2.6		7,368.55	320,687	225	119	2.71	2.3		20,636.08	54	1,254	16.46	1,295
1922	16,254.07	732,590	1,090	58	1.28	2.2		8,918.23	390,485	232	142	3.25	2.3		21,449.98	52	1,197	17.92	1,374
1923	19,687.29	1,060,450	1,159	76	1.42	1.8		9,892.68	478,115	231	172	3.57	2.1		25,377.73	52	1,253	20.25	1,442

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Kemptville—																			
1922	5,087.81	78,365	206	32	2.06	6.5		5,787.86	49,112	77	53	6.26	11.8		1,764.22	4	59	29.90	287
1923	5,646.92	83,084	224	30	2.10	6.7		6,175.07	92,936	70	111	7.35	6.6		2,516.99	6	75	33.55	300
Kirkfield—																			
1920	78.91	.....	20	.....	.....	.....	None	320.95	.....	5	.....	.....	.....	None	.....	1	.....	.....	26
1921	318.70	4,046	21	16	1.26	7.9		705.46	11,494	16	60	3.67	6.1		.....	.....	.....	.....	37
1922	495.95	5,970	22	23	1.88	8.3		891.31	15,590	15	84	4.79	5.7		560.90	1	20	28.05	38
1923	450.84	4,343	22	16	1.70	10.4		925.77	11,428	17	56	4.53	8.1		514.85	1	20	25.74	40
Kitchener—																			
1912	14,585.02	.....	1,022	.....	.....	.....	11+25	19,080.32	.....	422	.....	.....	.....	11+25	28,654.23	105	.....	.....	1,549
1913	15,291.37	.....	1,291	.....	1.10	.....		19,548.91	.....	470	.....	3.65	.....		35,655.90	127	.....	.....	1,888
1914	17,757.08	359,307	1,694	20	99	4.9		19,549.45	562,630	519	95	3.29	3.5		49,173.17	130	.....	.....	2,343
1915	19,108.60	494,725	2,032	22	85	3.9		16,807.15	579,303	546	91	2.63	2.9		54,732.50	138	.....	.....	2,716
1916	20,876.63	582,754	2,407	22	79	3.6		17,323.67	801,789	543	123	2.65	2.2		62,436.31	147	.....	.....	3,097
1917	24,051.18	748,390	2,712	24	78	3.2		17,494.18	866,798	577	129	2.60	2.2		84,818.46	157	4,012	21.14	3,446
1918	26,810.70	860,230	2,822	25	80	3.1		17,033.78	835,734	547	123	2.52	2.0		93,422.21	155	4,621	20.23	3,524
1919	31,643.49	1,108,883	3,251	29	81	2.8		20,095.87	1,193,095	586	170	2.87	1.7		112,988.87	167	5,791	19.51	4,004
1920	39,506.53	1,513,601	3,524	36	93	2.6		25,744.25	1,474,127	611	201	3.51	1.7		143,025.34	179	7,083	20.19	4,314
1921	48,095.22	2,006,311	3,740	45	1.07	2.4		32,306.38	1,762,746	615	239	4.39	1.8		124,233.93	182	7,483	16.60	4,537
1922	59,793.35	3,424,611	4,297	71	1.24	1.7		41,788.58	2,115,246	663	276	5.45	1.9		151,234.90	212	8,051	18.78	5,172
1923	83,773.70	5,004,505	4,619	90	1.51	1.6		45,887.85	2,692,800	687	327	5.56	1.7		199,985.36	223	9,053	22.09	5,529
Kingston—																			
1918	27,760.31	396,512	1,873	.....	.....	.....	10	45,743.73	686,846	685	.....	.....	.....	10	32,025.98	104	.....	.....	2,662
1919	32,247.30	537,657	2,166	21	1.24	6.0		49,268.27	966,250	759	106	5.41	5.1		42,710.51	112	1,576	27.11	3,037

1920	36,308.98	751,367	2,677	23	1.13	4.8		47,611.14	1,167,246	772	126	5.14	4.1		40,763.23	115	1,818	22.42	3,564
1921	45,106.18	1,044,514	3,122	28	1.20	4.3		49,129.35	1,229,740	802	128	5.11	4.0		45,835.78	124	2,295	19.97	4,047
1922	57,519.97	1,435,616	3,498	36	1.45	4.0		58,501.36	1,331,863	787	139	6.14	4.4		55,428.85	131	2,808	19.74	4,416
1923	65,725.36	1,623,808	3,917	34	1.39	4.0		60,376.47	1,526,887	832	152	6.04	3.9		48,959.97	133	2,349	20.84	4,882
Kincardine—																				
1922	6,461.15	103,210	344	25	1.56	6.2		4,057.97	44,142	113	32	2.99	9.2		2,950.97	12	127	23.24	469
1923	8,953.34	206,333	378	45	1.97	4.3		4,829.19	37,720	103	30	3.90	12.8		6,007.67	17	187	32.12	498
Lambeth—																				
1915	344.47	2,991	49	.....	.....	11.5	None	119.00	1,042	9	.....	.....	11.4	None	559.82	1	.....	.....	59
1916	575.65	6,880	54	11	91	8.4		208.96	.....	13	.....	1.58	8.3		249.36	1	.....	.....	68
1917	721.51	7,655	65	11	1.04	9.4		252.56	2,577	13	16	1.62	9.8		182.50	1	.....	.....	79
1918	833.23	9,978	63	13	1.08	8.3		208.28	1,976	11	13	1.44	10.5		392.22	1	5	.....	75
1919	935.30	10,761	75	12	1.04	8.7		289.64	2,701	16	14	1.51	10.7		302.87	2	35	.....	93
1920	1,242.88	14,627	72	18	1.55	8.5		339.28	3,179	14	19	2.02	10.7		312.00	2	12	26.00	88
1921	1,616.48	18,667	86	18	1.57	8.6		414.56	4,341	22	16	1.57	9.5		305.58	2	35	.....	110
1922	1,931.32	28,023	103	25	1.69	6.9		525.13	5,298	22	20	1.99	9.9		326.27	2	20	16.31	127
1923	2,521.75	.....	.....	.....	.....	.....		613.91	.....	.....	.....	.....	.....		345.37	.....	.....	.....	.....
Lakefield—																				
1920	571.45	.....	130	.....	.....	.....	Flat	336.69	.....	62	.....	.....	.....	Flat	1,328.30	4	.....	.....	193
1921	2,003.69	29,135	170	14	98	6.9		2,342.58	153,601	56	.....	.....	.....		3,134.24	6	100	31.34	232
1922	2,765.70	42,999	183	20	1.30	6.4		2,694.98	40,417	66	55	3.68	6.6		1,992.23	2	59	33.76	251
1923	4,371.89	63,848	198	26	1.84	6.8		3,170.08	51,482	71	60	3.72	6.1		2,603.43	4	79	32.95	273
Lanark—																				
1922	1,735.71	17,837	81	17	1.78	9.7		1,547.66	10,391	27	32	4.78	14.9		109.71	2	6	18.29	110
1923	1,966.24	20,936	82	21	1.98	9.3		1,190.69	8,486	29	34	3.42	14.1		138.13	2	8	17.26	113
Lancaster—																				
1922	1,230.64	11,182	54	17	1.90	11.0		971.84	7,316	23	26	3.52	13.3		.....	.....	.....	.....	77
1923	1,557.48	14,156	70	16	1.85	11.0		951.36	6,984	22	26	3.60	13.6		78.34	1	.....	.....	93
London—																				
1912	28,196.62	.....	3,851	.....	.....	.....	9+25	28,527.44	.....	792	.....	.....	.....	9+25	52,633.00	158	.....	.....	4,801
1913	41,932.42	920,000	5,201	17	77	4.5		39,256.07	1,350,000	1,007	125	3.63	3.0		79,758.96	198	.....	.....	5,406
1914	57,473.08	1,192,000	6,299	18	83	4.8		47,593.44	1,580,000	1,075	127	3.81	3.0		130,936.35	249	.....	.....	7,649
1915	57,184.75	1,732,435	7,326	21	70	3.3		43,751.37	1,452,896	1,046	137	3.44	3.0		148,567.23	271	.....	.....	8,643
1916	17,146.90	2,378,144	8,282	25	76	2.9		48,747.74	1,930,269	1,129	147	.....	2.5		180,204.33	295	.....	.....	9,706
1917	86,454.36	3,288,286	9,036	31	83	2.6		52,511.01	2,277,566	1,261	159	3.66	2.4		181,973.61	† 328	7,264	22.14	10,625
1918	99,240.58	3,855,134	10,703	32	83	2.5		52,593.28	2,584,904	1,699	143	2.96	2.0		193,686.30	† 418	10,261	18.87	12,820
1919	118,188.27	4,885,144	11,495	28	86	2.4		67,190.85	3,524,793	1,831	160	3.05	1.9		195,180.40	467	9,491	20.56	13,793
1920	143,963.71	6,609,361	12,386	44	97	2.2		76,450.76	4,287,591	1,979	180	3.30	1.8		211,081.19	513	11,171	18.90	14,878
1921	185,949.18	9,492,585	13,117	60	1.18	1.9		92,874.24	5,533,748	1,785	258	4.38	1.7		245,447.07	466	9,761	25.14	15,368
1922	217,828.22	11,996,050	13,993	74	1.34	1.8		99,302.57	6,000,287	1,872	273	4.53	1.7		269,970.82	490	11,915	22.66	16,355
1923	267,105.90	15,974,734	14,953	89	1.48	1.6		111,888.47	6,706,869	1,881	297	4.95	1.6		331,832.34	545	13,724	24.17	17,379

† London and Port Stanley Railway and London Street Railway revenue excluded.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Listowel—																			
1917	2,500.80	54,842	243	19	86	4.6	10	3,168.19	51,233	125	34	2.11	6.2	10	3,385.58	12	112	30.23	380
1918	3,820.77	65,119	256	21	1.27	5.8		2,820.74	58,248	128	38	1.85	4.8		7,180.07	13	233	30.81	397
1919	4,311.53	89,975	332	23	1.08	4.8		2,971.08	71,343	135	44	1.91	4.2		10,922.17	18	281	38.86	485
1920	5,657.29	137,168	377	30	1.25	4.1		3,884.08	102,600	132	65	2.62	4.0		13,143.78	20	363	36.21	529
1921	8,190.77	214,353	458	39	1.49	3.8		4,700.32	141,059	142	83	2.76	3.3		12,982.05	18	382	33.98	618
1922	9,584.04	250,128	495	44	1.67	3.8		5,702.40	138,475	141	82	3.35	4.1		11,307.49	19	357	31.67	655
1923	10,337.16	308,432	540	47	1.74	3.3		5,658.00	143,711	143	83	3.29	3.9		11,003.39	23	366	30.06	706
Louth Twp.—																			
1918			24				None							None					24
1919			30																30
1920			46																46
1921			51																51
1922																			
1923	941.17																		
Lucan—																			
1915	824.07		87				None	687.37		39				None	18.66	3			129
1916	1,124.73	12,047	98	11	1.00	9.3		857.11	8,370	42	17	1.78	10.2		159.67	7			147
1917	1,283.01	16,701	103	14	1.07	7.7		870.97	7,243	39	15	1.82	12.0		2,756.92	10	90	30.63	142
1918	1,309.20	15,264	109	12	1.03	8.5		885.28	11,739	38	25	1.91	7.5		5,650.56	8	133	32.48	155
1919	1,566.54	26,105	115	19	1.14	6.0		921.25	14,136	39	97	1.97	6.5		5,766.69	9	140	41.19	163
1920	1,854.20	43,863	127	29	1.22	4.2		885.18	17,248	41	35	1.80	5.1		6,602.32	10	208	31.74	178
1921	2,343.88	69,421	135	43	1.45	3.4		1,025.25	21,191	40	44	2.14	4.8		7,368.90	10	213	34.59	185
1922	2,737.74	71,976	150	42	1.59	3.8		1,081.12	16,774	38	36	2.31	6.4		5,829.91	9	168	34.70	197
1923	3,414.42	82,475	153	44	1.85	4.1		1,062.78	16,865	39	36	2.27	6.3		2,687.51	7	87	30.89	199

Lucknow—																			
1922	2,679.21	26,031	137	16	1.63	10.2		2,527.54	20,145	66	25	3.19	12.5		2,025.62	1	50	40.51	204
1923	3,135.27	32,900	155	17	1.68	9.5		2,605.21	16,610	69	20	3.14	15.6		1,878.04	2	56	33.53	226
Lynden—																			
1916	254.76	3,500	24	.....	.....	7.3	None	227.57	4,430	10	.....	.....	5.1	None	650.38	1	.....	.....	35
1917	272.49	3,498	24	.....	.....	7.7		213.11	3,576	11	.....	.....	5.9		2,912.96	1	84	34.68	36
1918	304.17	4,971	25	17	1.35	6.1		231.50	5,914	11	44	1.75	3.9		2,770.26	1	76	36.45	37
1919	444.75	7,553	47	13	79	5.9		347.65	9,897	16	52	1.81	3.5		3,291.51	1	85	38.27	64
1920	897.94	13,406	51	22	1.47	6.7		435.63	10,185	16	53	2.27	4.3		3,408.62	1	86	39.63	68
1921	1,191.73	17,888	57	26	1.74	6.6		478.11	10,462	18	48	2.21	4.6		3,583.76	1	87	41.19	76
1922	1,343.50	24,227	66	32	1.78	5.7		455.15	9,288	15	48	2.37	4.9		3,310.64	1	99	33.44	82
1923	1,449.09	25,334	72	29	1.67	5.7		422.70	9,867	18	45	1.95	4.2		4,051.65	1	112	36.17	91
Markham—																			
1920	1,735.33	.....	130	.....	.....	.....	10+25	790.25	.....	33	.....	.....	.....	10+25	577.79	4	35	.....	167
1921	3,263.60	27,616	169	14	1.61	11.8		1,303.84	9,248	42	19	2.59	14.1		2,588.67	6	45	57.53	247
1922	3,116.38	38,147	189	12	1.45	8.2		1,325.79	11,837	45	23	2.57	11.2		2,555.90	6	68	37.59	240
1923	3,487.96	44,059	194	18	1.49	7.9		1,236.62	15,302	49	26	2.10	8.1		2,937.14	5	72	40.79	248
Markdale—																			
1917	1,241.47	.....	106	.....	.....	.....	10	1,105.58	.....	68	.....	.....	.....	10	718.89	3	.....	.....	177
1918	1,672.90	.....	108	.....	.....	.....		862.43	.....	66	.....	.....	.....		697.58	5	51	.....	179
1919	1,611.23	28,763	124	19	1.08	5.6		937.23	24,481	64	32	1.22	3.8		1,140.94	2	.....	.....	190
1920	2,054.17	29,830	114	19	1.28	6.7		1,321.06	26,180	69	32	1.65	5.0		1,513.24	8	94	16.09	.....
1921	2,496.08	48,407	158	26	1.32	5.1		1,550.66	25,982	66	33	1.96	6.0		1,414.47	9	92	15.37	233
1922	2,623.46	.....	149	.....	.....	.....		1,695.41	.....	75	.....	.....	.....		1,172.56	10	88	13.32	234
1923	2,516.70	54,613	153	29	1.37	4.6		1,872.20	42,302	72	48	2.16	4.4		928.68	9	64	14.51	234
Marmora—																			
1922	2,150.59	19,097	110	14	1.63	11.2		1,609.85	12,939	43	25	3.12	12.4		159.42	3	8	19.93	156
1923	2,026.81	24,060	146	14	1.16	8.4		1,294.90	15,191	43	29	2.50	8.5		260.08	4	15	17.33	193
Martintown—																			
1922	514.19	6,150	25	21	1.71	8.3		452.72	4,293	11	33	3.43	10.5		.....	.....	.....	.....	36
1923	571.65	6,480	24	22	1.98	8.8		433.07	3,869	12	26	3.00	11.1		.....	.....	.....	.....	36
Maxville—																			
1922	2,003.68	21,472	86	21	1.94	9.3		2,079.24	20,860	58	30	2.99	9.9		507.53	2	41	12.38	146
1923	2,140.40	20,550	104	16	1.71	10.4		2,222.09	24,906	47	44	3.93	8.7		855.46	4	33	25.92	155
Merritton—																			
1921	6,010.43	185,000	603	24	83	3.2	Flat	1,238.58	65,121	58	94	1.78	1.9	Flat	3,203.78	5	156	20.54	666
1922	6,163.42	241,041	623	33	84	2.5		1,519.78	66,864	58	96	2.18	2.3		2,977.95	5	143	20.82	686
1923	7,141.86	465,670	580	67	1.02	1.5		1,885.15	119,120	55	195	2.85	1.5		4,668.90	4	251	18.60	639

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Milverton—																			
1917	785.01	11,116	65	14	1.01	7.1	None	1,200.09	17,892	59	25	1.69	6.7	None	2,899.56	4	80	36.24	128
1918	1,007.75	14,464	75	17	1.19	6.9		1,403.46	22,579	65	30	1.88	6.2		7,533.28	5	207	36.39	145
1919	1,230.28	21,554	104	17	99	5.7		1,442.81	29,216	66	38	1.82	4.9		8,897.49	5	267	33.32	175
1920	1,677.24	31,406	131	20	1.07	5.3		1,494.72	36,991	63	49	1.97	4.0		8,687.03	6	272	31.93	200
1921	2,085.42	38,280	152	21	1.14	5.4		1,688.69	46,230	64	60	2.20	3.6		8,207.82	5	280	29.31	221
1922	2,453.16	56,370	182	22	1.22	4.3		1,886.98	47,000	62	62	2.50	4.0		10,109.97	6	306	33.04	250
1923	3,005.94	66,610	177	31	1.41	4.5		2,332.29	59,856	69	72	2.82	3.9		10,006.69	6	305	32.80	252
Mimico—																			
1913	2,021.06	.....	250	.....	.....	.....		*	.....	*	.....	.....	.....	8+25	795.49	5	.....	.....	255
1914	5,085.16	91,184	462	.....	.....	5.4	8+25	*	3,462	10	.....	.....	5.4		963.64	5	.....	.....	477
1915	5,748.44	105,884	609	17	90	5.4		346.49	6,551	7	40	2.14	5.3		1,042.11	3	.....	.....	619
1916	7,011.08	137,318	621	18	95	5.1		506.44	10,982	31	38	1.7	4.6		1,449.14	8	.....	.....	660
1917	7,400.73	177,916	704	21	93	4.2		883.24	19,361	39	46	2.10	4.6		2,750.59	11	133	20.68	754
1918	7,209.82	202,311	615	25	91	3.5		942.82	24,173	32	56	2.21	3.9		4,357.12	9	195	22.34	656
1919	8,759.21	281,185	703	33	1.04	3.1		1,061.76	29,770	34	73	2.60	3.6		4,189.20	9	192	21.82	746
1920	12,325.03	508,282	841	50	1.22	2.4		1,305.90	43,750	45	81	2.33	2.9		3,896.30	8	189	20.62	894
1921	13,068.97	653,445	927	59	1.17	2.0		2,008.37	75,460	66	95	2.54	2.7		3,823.58	9	209	18.29	1,002
1922	16,083.14	977,153	1,036	89	1.36	1.6		2,452.03	112,580	85	1.25	2.72	2.2		5,259.27	9	262	20.07	1,130
1923	23,008.62	1,467,605	1,194	103	1.60	1.5		3,837.91	171,744	98	1.46	3.26	2.2		6,711.56	11	292	22.90	1,303
Midland—																			
1912	5,878.05	.....	420	.....	.....	.....	9	5,878.05	.....	165	.....	.....	.....	9	3,188.03	18	.....	.....	603
1913	6,095.11	88,228	491	16	1.11	6.9		6,104.16	118,267	172	58	3.01	5.1		5,700.22	25	.....	.....	688
1914	6,941.07	127,397	621	19	1.06	5.5		5,084.06	117,741	176	56	2.44	4.3		6,484.43	32	.....	.....	829

1915	6,580.45	199,257	689	25	84	3.3		4,462.54	97,300	188	45	2.05	4.6		10,229.52	39	.....	.....	916
1916	7,145.74	180,735	732	21	83	4.0		4,624.85	186,953	184	84	2.07	2.5		12,262.89	31	.....	.....	947
1917	9,179.72	289,874	822	31	98	3.2		5,651.06	257,868	186	116	2.55	2.2		15,300.91	35	714	21.43	1,043
1918	10,341.29	366,760	937	34	98	2.8		6,149.35	264,733	195	115	2.69	2.3		24,529.03	38	1,160	21.14	1,170
1919	11,542.33	403,890	1,050	32	92	2.8		5,303.02	254,832	237	90	1.86	2.1		22,070.30	34	790	27.93	1,321
1920	16,362.07	584,357	1,091	45	1.25	2.8		7,435.12	275,534	191	120	3.24	1.7		18,060.43	40	1,245	14.51	1,322
1921	20,140.29	808,893	1,171	58	1.43	2.5		8,618.18	360,993	202	149	3.55	2.4		22,464.55	51	1,265	17.76	1,424
1922	22,913.75	837,623	1,163	60	1.64	2.7		9,754.04	475,708	215	191	3.91	2.1		31,240.54	55	1,621	19.27	1,433
1923	22,525.81	976,653	1,336	60	1.40	2.3		9,848.44	374,229	205	152	4.00	2.6		36,590.63	50	1,905	19.20	1,538
Milton—																			
1913	1,149.28	.....	110	.....	.....	.....	10	1,212.26	.....	74	.....	.....	.....	10	6,462.38	5	.....	.....	189
1914	1,961.22	25,649	150	19	1.51	7.6		2,226.80	41,015	79	44	2.43	5.4		11,325.61	6	.....	.....	235
1915	1,981.80	28,900	170	15	1.03	6.8		1,900.98	41,520	80	44	2.00	4.6		5,364.29	7	.....	.....	257
1916	2,219.28	36,573	197	16	1.01	.....		1,892.21	44,445	84	45	1.93	.....		10,428.79	6	.....	.....	287
1917	2,528.88	50,695	174	24	1.11	5.0		1,863.60	34,859	70	44	2.21	5.4		7,968.76	6	309	25.79	250
1918	2,852.66	64,485	227	27	1.18	4.4		1,759.69	35,451	73	41	2.05	4.9		6,497.73	7	333	19.51	307
1919	3,908.62	149,879	276	45	1.18	2.6		2,041.31	42,493	76	47	2.22	4.8		11,109.72	12	234	47.48	364
1920	4,099.80	105,398	289	30	1.16	3.9		2,365.05	60,519	76	66	2.60	3.9		15,142.22	13	733	20.66	378
1921	4,502.81	126,039	315	33	1.19	3.6		2,531.11	61,661	82	58	2.41	4.1		16,596.71	20	702	23.64	417
1922	5,164.20	136,814	314	36	1.37	3.8		2,487.17	62,907	79	66	2.59	3.9		19,667.48	18	939	20.95	411
1923	6,580.38	152,287	338	37	1.62	4.3		2,824.73	87,655	87	84	2.70	3.3		24,467.36	23	1,059	23.10	448
Mitchell—																			
1912	2,964.48	.....	159	.....	.....	.....	Flat	2,977.08	.....	79	.....	.....	.....	Flat	4,597.03	13	.....	.....	251
1913	2,362.52	.....	179	.....	.....	.....		2,813.92	.....	85	.....	.....	.....		6,160.53	16	.....	.....	270
1914	2,470.29	.....	191	.....	.....	.....		2,712.55	.....	100	.....	.....	.....		3,944.91	16	.....	.....	307
1915	2,379.58	.....	190	.....	.....	.....		2,684.01	.....	95	.....	.....	.....		2,333.08	17	.....	.....	292
1916	2,311.80	33,759	218	14	95	6.8		2,677.35	39,211	103	33	2.25	6.8		3,231.56	21	.....	.....	342
1917	2,572.51	41,022	212	16	1.01	6.3		2,774 59	49,323	104	39	2.22	5.6		4,169.05	22	167	24.96	338
1918	2,730.62	46,956	217	18	1 06	5.8		2,944.34	51,294	102	41	2.38	5.7		4,834.06	22	190	25 44	341
1919	2,816.95	41,556	266	13	88	6.8		3,136.32	51,396	105	41	2 49	6.1		4,869.61	21	196	24.84	392
1920	4,183.47	89,601	298	25	1.17	4.7		3,588.97	77,765	106	61	2.82	4.6		5,798.65	21	224	25.89	425
1921	4,660.66	101,018	330	24	1.18	4.6		3,101.46	72,737	104	58	2.49	4.3		5,542.41	21	228	24.31	455
1922	5,355.08	163,706	362	39	1.29	3.3		3,337.99	81,244	104	65	2.67	4 1		5,701.36	21	232	24.57	487
1923	6,298.13	206,004	375	45	1.39	3.0		3,512.16	95,684	104	76	2.81	3.6		6,388.28	24	247	25.86	503
Moorefield—																			
1918	175.36	.....	16	.....	.....	.....	None	217.24	.....	15	.....	.....	.....	None	888.57	1	.....	.....	32
1919	341.45	3,507	21	14	1.35	9.7		342.50	2,870	15	16	1.90	11.9		1,292.62	2	40	32.32	38
1920	498.92	.....	26	.....	1.60	.....		431.99	.....	17	.....	2.12	.....		1,262.83	2	38	33.23	45
1921	637.19	7,101	26	23	2.04	9.0		540.33	5,310	20	22	2.25	10.2		1,285.41	2	35	36.73	48
1922	712.43	7,465	31	21	2.05	9.5		575.24	5,773	19	25	2.51	10.0		1,368.96	2	38	36.03	52
1923	806.16	9,098	35	21	1.91	8.8		622.67	6,680	17	32	3.10	9.4		1,502.15	2	39	38.51	54

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c	
Mt. Brydges—																			
1915	333.43	.....	45	.....	.....	.....	None	494.02	.....	15	.....	.....	.....	None	517.50	1	.....	.....	61
1916	644.75	5,058	55	8	1 07	12.7		170.46	3,106	15	17	95	5.5		760.58	2	.....	.....	72
1917	540.17	6,481	58	9	81	8.3		344.16	3,481	20	17	1.69	9.9		627.07	2	27	23.22	80
1918	601.52	7,323	67	9	80	8.2		312 44	3,396	17	15	1.40	9.1		750.69	1	25	30 02	85
1919	811.17	8,900	64	12	1.06	8.9		324.11	3,051	22	12	1.23	10.6		822.74	1	26	31.64	87
1920	1,130.15	13,440	84	13	1.04	8.4		434.78	2,736	19	12	1.91	15.8		707.73	1	23	30.77	104
1921	1,398.23	12,266	77	13	1.51	11.4		457.24	4,446	20	19	1.91	10.3		836.68	1	18	46.48	91
1922	1,398.02	17,208	89	17	1.40	8.1		540.62	5,800	24	22	2.05	9.3		737.60	1	18	40.98	114
1923	1,610.92	23,240	96	20	1.39	6.9		591.31	7,169	26	23	1.89	8.2		889.39	1	21	42.35	123
Mt. Forest—																			
1916	1,967.03	27,337	106	.....	.....	7.2	10	2,420.75	39,059	164	.....	.....	6.2	10	1,739.79	7	.....	.....	277
1917	2,171.91	40,286	176	23	1.28	5.4		2,556.41	37,914	107	30	1.99	6.7		2,533.40	4	136	19.63	287
1918	2,171.73	32,336	187	14	99	6.7		2,419.72	42,176	107	32	1.88	5.7		3,132.19	4	147	21.30	298
1919	2,596.70	43,495	196	19	1.10	6.0		2,809.05	59,310	117	42	2.00	4.7		3,561.63	5	152	23.43	318
1920	2,959.09	48,732	205	20	1.20	6.0		3,625.36	62,877	127	41	2.38	5.8		4,182.42	9	207	20.20	344
1921	4,050.74	66,539	239	23	1.41	6.1		5,279.82	76,899	128	50	3.44	6.9		5,219.42	10	203	25.71	377
1922	4,683.40	74,673	260	25	1.56	6.2		5,965.31	86,502	130	56	3.85	6.9		4,996.49	7	202	24.74	397
1923	4,894.10	87,860	274	26	1.48	5.5		5,472.11	77,866	133	48	3.42	7.0		3,518.14	5	186	18.91	412
Neustadt—																			
1919	419.91	5,586	45	10	78	7.8	12.5	475.59	7,332	24	25	1.65	6.6	12.5	389.93	2	16	24.37	71
1920	813.48	14,425	51	24	1.33	5.6		526.21	8,047	26	26	1.69	6.5		2,656.17	4	88	30.18	81
1921	1,159.34	15,187	55	23	1.76	7.6		737.42	6,222	29	18	2.12	11.8		3,214.94	4	92	34.95	88
1922	1,683.22	.....	61	.....	.....	.....		982.18	.....	30	.....	.....	.....		7,690.74	4	.....	.....	95
1923	1,388.03	.....	68	.....	.....	.....		1,099.61	.....	29	.....	.....	.....		5,923.43	5	137	43.23	102

Newbury—																				
1922	683.98	9,946	43	19	1.34	6.9		543.61	4,973	20	21	2.26	10.9		778.83	1	25	31.15	64
1923	751.02	8,493	44	16	1.42	8.9		529.29	4,478	23	16	1.91	11.8		899.48	1	27	33.31	68
New Hamburg—																				
1912	1,195.08	.....	124	.....	.....	.....	10	1,423.35	.....	63	.....	.....	.....	10	3,369.05	5	.....	.....	194
1913	1,589.21	.....	142	.....	.....	.....		1,890.72	.....	63	.....	.....	.....		5,792.20	8	.....	.....	212
1914	1,779.90	23,010	170	12	89	7.7		1,403.56	19,404	68	25	1.78	7.2		5,209.51	6	.....	.....	243
1915	1,888.04	33,913	187	16	88	4.9		1,273.38	23,041	70	27	1.54	5.5		2,825.57	4	.....	.....	261
1916	1,816.44	37,109	196	16	79	5.5		1,211.25	26,492	70	32	1.39	4.6		1,646.90	4	.....	.....	270
1917	2,052.95	40,407	184	18	93	5.1		1,481.03	34,156	69	41	1.79	4.3		4,299.65	9	188	22.87	262
1918	2,331.00	45,778	192	20	1.03	5.0		1,410.88	40,225	67	49	1.73	3.5		4,784.71	9	220	21.74	268
1919	2,597.55	46,124	208	19	1.04	5.5		1,540.57	40,137	64	52	2.01	3.8		5,517.79	10	244	22.61	282
1920	2,987.68	77,692	222	27	1.12	4.1		1,615.92	37,812	66	48	2.04	4.3		5,613.62	12	240	23.39	300
1921	3,570.31	99,781	231	36	1.29	3.6		1,751.04	44,237	63	59	2.32	4.0		5,253.46	11	259	20.28	305
1922	4,033.81	121,551	222	45	1.49	3.3		2,040.13	53,832	78	64	2.43	3.8		6,732.68	13	279	24.13	313
1923	4,799.76	163,995	268	50	1.49	2.9		2,265.63	50,391	71	59	2.66	4.4		8,565.03	14	309	27.71	353
New Toronto—																				
1914	653.50	11,947	100	.....	.....	7.0	8+25	.....	.....	4	.....	.....	7.0	8+25	.....	1	.....	.....	105
1915	1,416.10	19,520	153	.....	.....	5.5		.....	.....	8	.....	.....	5.5		2,140.36	2	.....	.....	163
1916	1,571.03	29,162	210	.....	.....	5.4		143.32	5,956	10	.....	.....	5.4		9,744.31	4	.....	.....	224
1917	2,451.49	46,080	320	14	77	5.3		566.42	7,680	22	40	2.95	7.4		30,726.27	8	1,554	19.77	350
1918	2,631.82	50,723	400	11	60	5.1		1,113.87	18,968	22	71	4.22	5.8		64,854.19	10	2,689	24.11	432
1919	4,009.94	.....	473	.....	.....	.....		3,143.60	.....	41	.....	.....	.....		79,353.15	14	.....	.....	528
1920	6,602.26	183,717	537	28	1.02	3.6		2,979.37	.....	57	.....	4.36	.....		97,272.13	12	.....	.....	606
1921	6,731.42	314,718	631	42	89	2.1		3,798.61	199,688	73	.....	.....	1.9		66,294.41	14	3,399	19.50	718
1922	9,039.13	346,958	761	42	1.08	2.6		4,089.35	203,510	87	212	4.26	2.0		43,232.18	15	2,399	18.02	863
1923	13,350.62	620,622	829	63	1.34	2.1		6,176.34	280,063	99	226	5.19	2.2		66,486.92	18	2,795	23.78	946
Niagara Falls—																				
1916	21,733.29	.....	2,050	.....	.....	.....	3.5	13,259.02	.....	400	.....	.....	.....	Flat	9,613.01	80	.....	.....	2,530
1917	22,566.76	867,639	2,273	31	99	2.6		11,012.51	651,884	405	134	2.27	1.7		18,804.36	55	713	13.49	2,733
1918	26,423.31	882,174	2,447	31	93	2.9		10,692.04	528,376	418	107	2.16	2.0		22,242.65	61	1,480	15.03	2,926
1919	33,221.90	1,419,901	2,648	45	1.05	2.4		12,639.15	899,210	456	164	2.31	1.4		24,686.72	75	1,905	12.96	3,179
1920	46,839.29	2,378,263	2,907	68	1.34	2.0		15,366.26	909,516	488	155	2.62	1.7		28,739.95	86	2,102	13.67	3,481
1921	59,722.54	3,598,610	3,048	99	1.63	1.6		21,208.21	1,376,527	528	217	3.35	1.5		33,220.24	90	2,505	13.26	3,666
1922	72,634.03	4,718,606	3,163	127	1.95	1.5		26,699.31	2,140,826	542	334	4.16	1.2		38,485.41	93	2,687	14.32	3,798
1923	82,424.59	6,132,605	3,329	153	2.06	1.3		30,780.07	2,657,368	546	405	4.69	1.2		52,157.69	87	2,890	18.04	3,962
Niagara-on-the-Lake—																				
1919	.....	.....	274	.....	.....	.....		.....	.....	58	.....	.....	.....		.....	5	.....	.....	337
1920	5,544.75	.....	275	.....	1.68	.....		2,796.38	.....	69	.....	3.38	.....		1,301.68	5	78	16.69	349
1921	5,847.10	.....	306	.....	1.60	.....		3,291.89	.....	74	.....	3.71	.....		2,544.90	6	12	21.21	386
1922	5,769.68	156,879	319	42	1.54	3.7		2,777.10	71,474	77	79	3.09	3.7		2,467.05	7	99	24.92	403
1923	5,842.89	190,306	333	47	1.46	3.0		2,505.01	72,382	79	77	2.74	2.7		2,389.42	7	102	23.42	419

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Norwich—																			
1912	862.17	.....	128	.....	.....	.....	10+25	674.48	.....	64	.....	.....	.....	10+25	263.93	2	.....	.....	194
1913	1,926.78	28,172	166	15	1.09	6.8		1,162.98	17,917	76	20	1.38	6.5		1,978.55	3	.....	.....	245
1914	2,168.13	35,578	198	16	99	6.2		995.16	20,690	84	22	1.04	6.4		1,893.72	3	.....	.....	285
1915	2,529.91	37,082	228	16	99	6.2		1,075.79	25,880	80	26	1.09	4.2		2,169.31	5	.....	.....	313
1916	2,319.58	49,858	254	18	84	4.7		1,168.34	24,909	87	25	1.16	4.7		2,642.97	6	.....	.....	327
1917	8,132.02	55,968	356	16	.....	.....		1,198.97	24,854	82	25	1.19	4.8		4,116.38	10	137	30.05	448
1918	3,042.12	87.510	242	30	1.06	3.4		1,064.13	23,559	78	24	1.11	4.5		2,481.63	8	87	28.52	328
1919	3,529.64	101,324	280	30	1.05	3.5		1,566.15	34,149	76	37	1.55	4.5		2,370.22	8	97	24.44	364
1920	4,136.42	118,478	291	34	1.18	3.5		1,915.42	42,434	84	42	1.90	4.5		2,902.47	10	111	26.15	385
1921	4,824.49	155,413	305	42	1.32	3.2		2,235.71	48,524	85	48	2.20	4.6		3,022.99	7	118	25.62	397
1922	5,209.87	161,790	330	43	1.37	3.2		2,436.17	55,865	92	53	2.31	4.4		2,426.59	8	113	21.47	430
1923	5,986.24	176,237	338	43	1.47	3.3		2,756.49	67,221	92	60	2.49	4.1		3,067.52	8	125	24.54	438
Norwood—																			
1922	2,413.40	36,746	161	19	1.25	6.6		1,627.72	22,199	66	28	2.06	7.3		744.35	4	42	17.72	231
1923	2,871.65	39,980	178	19	1.34	7.1		1,774.20	24,038	70	29	2.11	7.3		1,496.49	3	59	25.35	251
Oil Springs—																			
1918	87.68	.....	18	.....	.....	.....	None	73.85	.....	7	.....	.....	.....	None	2,240.03	2	.....	.....	27
1919	214.44	.....	20	.....	.....	.....		173.97	.....	10	.....	.....	.....		4,151.58	3	.....	.....	33
1920	366.49	.....	20	.....	.....	.....		319.75	.....	12	.....	.....	.....		5,684.03	6	.....	.....	38
1921	701.04	10,587	42	21	1.39	6.6		503.46	6,975	17	34	2.40	7.2		6,970.28	33	177	39.38	92
1922	795.54	12,624	48	23	1.47	6.3		527.91	7,023	21	31	2.32	7.5		12,387.37	35	285	43.46	104
1923	972.72	14,564	49	25	1.65	6.7		644.31	9,540	25	32	2.15	6.7		12,635.26	35	.....	.....	109

Omemee—																				
1918	480.37	.....	58	.....	.....	.....	Flat	419.07	.....	23	.....	.....	.....	Flat	54.78	3	.....	.....	84
1919	733.28	10,387	70	12	87	7.0		623.24	9,530	29	24	1.79	7.5		670.27	5	39	17.19	104
1920	999.89	.....	83	.....	.....	.....		681.07	.....	24	.....	.....	.....		248.29	5	.....	.....	112
1921	1,213.80	42,000	84	.....	1.20	.....		781.01	.....	30	.....	2.17	.....		2,081.00	6	133	15.65	120
1922	1,543.01	22,778	92	22	1.46	6.8		846.54	13,548	31	38	2.35	6.2		4,269.89	7	147	29.25	130
1923	1,734.41	24,800	106	20	1.36	6.9		882.26	13,500	30	37	2.45	6.5		4,702.80	7	160	29.39	143
Orangeville—																				
1917	1,641.42	22,895	144	13	95	7.2	10	1,903.38	32,805	82	33	1.93	5.8	10	2,902.60	4	133	22.58	230
1918	1,891.77	30,456	155	17	1.05	6.2		2,081.03	44,300	90	42	2.01	4.6		3,197.89	5	97	32.96	250
1919	2,390.39	39,464	179	19	1.11	6.0		2,352.35	62,441	97	54	2.02	3.8		3,797.70	7	141	26.93	283
1920	2,891.19	49,625	199	21	1.21	5.8		2,852.54	47,302	94	42	2.53	6.0		4,127.67	10	208	19.84	303
1921	3,660.49	63,990	221	24	1.38	5.7		3,707.47	76,793	95	67	3.25	4.8		4,211.74	10	160	26.32	326
1922	4,207.55	75,131	265	26	1.44	5.6		4,231.79	78,433	101	67	3.60	5.4		5,213.52	12	230	22.67	378
1923	5,162.41	101,046	294	29	1.46	5.1		5,015.83	98,303	118	69	3.54	5.1		5,956.94	18	252	23.64	430
Ottawa—																				
1912	62,598.18	.....	5,390	.....	.....	.....	7+8	51,365.91	.....	440	.....	.....	.....	7+8	25,299.94	90	.....	.....	5,920
1913	68,032.27	.....	5,766	.....	1.02	.....		53,438.04	.....	818	.....	7.08	.....		26,978.76	152	.....	.....	6,736
1914	68,767.48	1,376,353	6,342	19	95	.5		51,769.72	1,061,263	852	106	5.16	4.9		31,748.23	156	.....	.....	7,350
1915	67,441.19	1,767,519	7,338	22	82	3.8		46,636.99	1,501,978	1,060	131	4.07	3.1		32,126.50	140	.....	.....	8,538
1916	72,875.12	2,131,307	7,912	23	80	3.4		42,569.96	1,786,603	1,107	137	3.27	2.4		42,996.39	188	.....	.....	9,207
1917	81,506.24	2,376,141	8,636	24	82	3.4		48,546.77	2,048,160	1,167	150	3.57	2.4		63,173.09	204	3,553	17.72	10,007
1918	88,020.83	3,331,473	9,047	31	82	2.3		50,733.92	2,358,017	1,182	167	3.59	2.1		64,655.78	207	4,743	13.63	10,436
1919	97,402.16	4,825,279	8,976	45	90	2.0		52,187.97	3,235,802	1,212	212	3.59	1.6		63,255.59	205	4,401	14.37	10,393
1920	109,844.13	5,959,360	9,451	53	97	1.8		62,833.70	3,248,561	1,278	212	4.10	1.9		61,681.26	210	4,531	13.61	10,939
1921	131,863.72	8,056,660	9,955	67	1.10	1.6		67,251.51	3,674,286	1,349	227	4.15	1.8		63,333.74	228	4,685	13.52	11,532
1922	154,936.08	11,363,704	10,493	93	1.26	1.4		80,732.27	4,332,772	1,415	261	4.87	1.9		37,483.22	229	3,190	11.75	12,137
1923	185,916.79	16,180,621	11,050	122	1.40	1.1		86,984.66	5,250,246	1,429	306	5.07	1.6		47,564.97	240	3,560	13.36	12,719
Otterville—																				
1917	537.88	.....	42	.....	.....	.....	None	290.37	.....	23	.....	.....	.....	None	47.44	1	.....	.....	66
1918	615.32	7,715	47	14	1.15	7.9		272.50	3,665	22	13	1.01	7.4		912.05	2	22	41.45	71
1919	861.40	11,200	62	15	1.16	7.7		440.31	2,350	15	13	2.45	.....		982.80	4	26	37.80	81
1920	1,156.08	14,783	70	18	1.38	7.8		648.41	7,818	20	33	2.70	8.3		1,770.64	4	43	41.18	94
1921	1,421.89	15,120	84	15	1.41	9.4		760.43	7,774	17	.....	.....	.....		1,401.36	4	43	32.59	105
1922	1,446.48	15,950	85	16	1.42	9.1		717.09	7,600	20	35	3.32	9.4		1,388.67	4	43	32.29	109
1923	1,529.99	35,240	98	29	1.30	4.3		718.74	13,680	19	60	3.15	5.2		1,429.60	4	43	33.24	121

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Owen Sound—																			
1916	16,003.61	225,620	1,376	.....	.....	7.1	6.4+15	23,724.21	388,717	435	....	.....	6.1	6.4+15	13,772.61	83	.....	.....	1,894
1917	15,740.76	266,322	1,438	16	93	5.9		13,809.15	341,361	419	67	2.71	4.1		28,667.22	84	1,176	24.37	1,941
1918	16,071.58	310,256	1,492	17	91	5.1		14,011.58	341,751	403	69	2.84	4.1		32,069.70	84	1,177	27.25	1,979
1919	17,879.28	605,348	1,611	31	93	3.0		13,931.89	521,847	418	104	2.78	2.7		23,289.00	92	1,005	23.17	2,121
1920	21,798.24	719,181	1,861	32	97	3.0		15,160.58	520,485	449	97	2.81	2.9		24,645.87	105	1,231	20.02	2,415
1921	26,511.72	700,833	2,075	28	1.06	3.8		16,442.16	730,759	457	133	3.00	2.2		29,116.14	109	1,403	20.75	2,641
1922	31,744.31	955,010	2,285	35	1.12	3.3		18,851.65	728,910	460	133	3.43	2.6		30,538.65	115	1,567	19.49	2,860
1923	35,771.38	1,245,612	2,410	43	1.24	2.9		19,593.46	869,446	475	153	3.44	2.3		32,189.46	107	1,526	21.09	2,992
Palmerston—																			
1916	6,102.25	.....	151	.....	.....	.....	Flat	282.57	.....	63	.....	.....	.....	Flat	.....	1	.....	.....	215
1917	2,506.76	32,672	171	16	1.22	7.7		2,780.86	51,029	71	60	3.26	5.5		1,225.68	2	57	21.50	244
1918	2,563.63	33,104	177	11	1.22	7.7		2,729.69	50,847	69	60	3.24	5.3		1,401.26	2	57	24.58	248
1919	3,253.16	52,780	213	21	1.27	6.2		3,344.29	54,590	75	61	.72	6.1		2,161.21	4	85	25.43	292
1920	4,283.77	102,555	234	36	1.53	4.2		4,036.64	90,508	75	101	4.00	4.5		3,235.10	5	128	25.27	314
1921	5,035.03	124,636	255	41	1.62	4.0		4,736.84	95,314	80	99	4.93	5.0		4,581.69	6	171	26.79	341
1922	5,419.45	159,164	277	50	1.70	3.4		4,110.84	93,623	80	98	4.28	4.4		5,679.92	6	165	34.42	363
1923	5,671.62	214,614	315	56	1.50	2.6		3,681.80	116,053	80	133	3.83	3.2		6,432.56	7	194	33.67	402
Park Hill—																			
1920	1,530.39	.....	120	.....	.....	.....	10+52	1,106.09	.....	58	.....	.....	.....	10+25	110.15	1	10	.....	179
1921	3,049.70	29,648	146	17	1.74	10.3		2,243.54	17,506	58	24	3.22	12.8		1,186.35	3	29	40.91	207
1922	3,443.03	36,461	152	20	1.92	9.4		1,974.60	16,919	63	23	2.74	11.1		1,157.39	4	41	28.23	219
1923	3,437.57	47,386	165	23	1.73	7.2		2,028.44	22,551	63	30	2.68	8.9		2,027.21	4	73	27.77	232

Paris—																			
1914	4,766.23	65,037	354	.....	.....	.....	7+10	2,778.09	65,108	142	.....	.....	4.3	8+20	1,419.90	1	.....	.....	497
1915	5,071.54	87,239	477	17	1.01	5.8		4,063.03	100,259	150	57	2.32	4.1		6,328.33	4	.....	.....	631
1916	5,877.57	127,382	552	21	96	4.6		3,805.95	96,750	150	53	2.11	3.9		8,974.66	4	.....	.....	706
1917	6,620.91	155,986	581	23	98	4.2		4,303.71	105,150	161	56	2.31	4.0		8,828.42	5	416	21.22	747
1918	7,839.11	155,406	625	21	1.08	5.0		4,339.77	86,904	162	44	2.23	4.9		12,951.24	8	556	23.29	795
1919	7,447.39	237,276	663	30	94	3.1		4,436.78	90,539	168	45	2.20	4.9		14,226.43	12	579	24.57	843
1920	7,696.27	237,103	757	26	85	3.2		4,411.23	.....	182	.....	2.02	.....		16,414.88	13	805	20.39	952
1921	9,368.93	366,497	875	35	90	2.5		4,532.48	173,264	188	77	2.01	2.6		16,844.82	18	930	18.11	1,081
1922	11,791.12	518,536	884	49	1.12	2.3		4,670.02	184,961	170	100	2.24	2.2		15,743.55	17	739	21.30	1,071
1923	14,594.85	781,218	927	70	1.31	1.8		5,202.93	231,434	173	111	2.50	2.2		15,858.96	16	710	22.47	1,116
Penetang—																			
1912	1,676.26	.....	101	.....	.....	.....	9	3,836.30	.....	87	.....	.....	.....	9	2,207.51	13	.....	.....	201
1913	1,989.80	27,199	128	19	1.44	7.3		4,511.16	58,111	91	55	4.23	7.7		8,775.95	15	.....	.....	234
1914	1,936.73	35,163	153	21	1.15	5.5		3,064.83	66,489	100	58	2.68	4.6		8,001.69	15	.....	.....	268
1915	2,050.69	42,483	174	22	1.04	4.8		2,676.60	78,657	102	65	2.21	3.4		10,048.08	15	.....	.....	291
1916	2,317.37	49,242	189	23	1.06	4.7		2,706.74	83,448	95	71	2.30	3.2		11,650.03	16	.....	.....	290
1917	2,486.82	62,546	199	27	1.07	4.0		2,677.81	80,783	93	72	2.38	3.3		10,234.73	14	476	21.50	306
1918	2,855.29	76,516	215	30	1.15	3.7		2,363.45	71,085	95	63	2.09	3.3		9,701.55	14	350	27.71	324
1919	3,074.74	83,950	263	27	97	3.6		2,874.63	94,491	107	74	2.24	3.0		15,438.43	19	681	22.67	389
1920	4,971.07	116,449	328	28	1.26	4.5		3,340.35	119,686	91	110	3.06	2.8		22,164.67	25	934	23.73	444
1921	6,714.63	143,891	375	32	1.50	4.7		3,798.95	96,932	89	91	3.56	3.9		19,645.20	28	581	33.81	492
1922	7,403.45	189,289	406	40	1.58	3.9		3,772.70	86,351	94	79	3.46	4.4		19,829.56	30	782	25.36	530
1923	7,858.45	199,709	438	38	1.50	3.9		4,003.70	98,826	99	83	3.37	4.1		15,177.84	33	706	21.50	570
Perth—																			
1919	8,477.47	137,658	479	24	1.47	6.2	8	6,748.11	143,305	157	76	3.58	4.7	8	8,550.93	15	250	34.20	651
1920	10,216.95	218,792	564	32	1.51	4.7		7,025.19	122,988	166	62	3.53	5.7		15,648.27	19	494	31.68	749
1921	12,485.61	256,470	610	35	1.71	4.9		8,879.44	142,086	174	68	4.25	6.2		18,021.42	19	515	34.99	803
1922	13,682.49	262,021	645	35	1.82	5.2		9,091.75	151,580	180	71	4.28	6.0		16,755.30	19	463	36.19	844
1923	14,352.84	312,102	681	38	1.76	4.6		9,493.91	165,466	183	75	4.32	5.7		14,264.45	19	465	30.68	883
Peterborough—																			
1914	8,661.71	.....	2,692	.....	.....	.....		7,749.91	.....	507	.....	.....	.....	Flat	7,013.23	93	.....	.....	3,292
1915	27,998.24	.....	3,221	.....	79	.....	Flat	27,563.41	.....	602	.....	4.14	.....	Flat	30,185.83	113	.....	.....	3,936
1916	31,020.72	510,359	3,401	13	78	6.1		26,403.82	467,663	602	65	3.66	5.6		36,597.04	117	.....	.....	4,120
1917	40,043.65	973,937	4,152	22	88	4.1		26,601.65	613,865	671	80	3.49	4.3		46,235.49	122	2,871	16.10	4,945
1918	43,049.23	1,166,437	4,409	22	83	3.6		24,679.61	883,196	699	107	3.00	2.7		48,055.38	119	3,432	14.00	5,227
1919	46,282.34	1,378,472	4,257	27	91	3.3		27,616.40	1,207,218	652	164	3.53	2.2		38,930.06	119	2,317	16.80	5,028
1920	51,291.38	1,659,204	4,463	31	96	3.1		30,144.81	1,595,400	689	193	3.64	1.9		51,072.38	121	3,109	16.43	5,273
1921	59,506.10	2,027,601	4,663	36	1.06	2.9		35,364.67	1,964,887	729	225	4.04	1.8		76,195.98	129	4,772	15.97	5,521
1922	68,182.00	2,439,632	4,814	43	1.20	2.8		34,343.99	2,246,434	752	253	3.85	1.5		63,833 18	127	3,879	16.46	5,693
1923	75,853.54	2,919,306	4,966	49	1.27	2.6		40,522.25	2,396,945	743	269	4.54	1.7		71,549.20	124	4,261	16.79	5,833

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	Total number of consumers
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Petrolia—																			
1917	3,346.54	54,138	292	15	95	6.1	14+20	3,837.48	61,972	150	34	2.13	6.2	14+20	6,666.29	34	216	30.86	476
1918	4,096.58	64,342	315	17	1.12	6.3		4,138.05	64,510	158	34	2.23	6.4		11,491.46	40	345	33.30	513
1919	5,024.22	88,243	367	20	1.14	5.7		4,761.37	81,003	163	41	2.43	5.9		16,712.15	53	497	33.62	583
1920	6,034.68	112,806	427	22	1.18	5.3		5,447.61	94,755	176	45	2.58	5.7		19,193.71	59	581	33.04	662
1921	7,786.04	151,611	503	25	1.29	5.1		6,246.63	105,872	187	47	2.78	5.9		21,483.70	61	664	32.31	751
1922	7,797.98	164,276	531	26	1.26	4.8		6,108.86	121,397	192	54	2.69	5.0		19,958.48	68	684	29.18	791
1923	7,555.96	210,263	552	31	1.14	3.5		5,170.26	131,003	187	58	2.34	3.9		23,303.44	67	884	26.36	806
Picton—																			
1919	.....	.....	604	.....	.....	.....	12.5	.....	.....	75	.....	.....	.....	12.5	1,239.91	26	52	23.84	705
1920	9,915.08	123,499	657	16	1.26	8.0		9,480.61	121,838	122	46	3.56	7.8		9,477.94	32	303	31.28	811
1921	11,840.43	142,582	698	17	1.41	8.3		9,641.61	112,546	156	60	5.15	8.6		12,162.97	31	343	35.46	885
1922	11,294.43	177,900	745	21	1.30	6.3		8,540.27	141,822	187	69	4.16	6.0		10,333.64	36	322	32.09	968
1923	11,817.03	261,212	777	28	1.27	4.5		7,001.42	147,820	168	73	3.47	4.7		7,680.07	43	392	19.59	988
Plattsville—																			
1915	551.39	6,061	56	.....	.....	9.1	None	477.71	5,091	20	.....	.....	9.4	None	1,128.27	4	.....	.....	80
1916	666.30	7,422	60	11	96	9.0		580.62	5,900	22	14	1.35	9.8		1,436.62	3	.....	.....	85
1917	670.35	7,220	60	10	93	9.3		583.58	6,714	22	25	2.21	8.7		768.37	2	37	20.77	84
1918	699.99	9,011	60	11	97	8.7		636.88	8,489	23	31	2.35	7.5		1,596.81	2	60	26.60	85
1919	795.79	8,967	62	12	1.07	8.9		826.27	15,051	27	46	2.40	5.2		3,053.72	2	65	46.98	91
1920	969.31	11,294	65	14	1.24	8.6		873.81	14,655	26	47	2.80	6.0		3,155.32	3	92	34.30	94
1921	1,066.62	14,362	77	15	1.15	7.4		706.15	10,570	20	44	2.94	6.7		302.26	2	15	20.15	99
1922	1,283.04	17,448	75	19	1.41	7.3		790.79	16,773	28	58	2.35	4.7		222.29	2	15	14.82	105
1923	1,585.59	23,008	78	25	1.70	6.8		915.67	11,027	28	33	2.72	8.3		330.98	2	15	22.06	108

oint Edward—																			
1923	3,348.43	124,855	222	46	2.68	2.6		1,332.94	34,762	34	85	3.26	3.8		4,906.53	10	195	25.16	.....
Port Arthur—																			
1913	81,830.66	.....	2,409	.....	.....	.....	8+25	*	.....	500	.....	.....	.....	8+25	51,748.11	55	.....	.....	2,464
1914	38,097.65	.....	2,969	.....	.....	.....		32,933.91	.....	550	.....	.....	.....		92,804.49	55	.....	.....	3,574
1915	32,048.37	.....	2,800	.....	.....	.....		28,662.58	.....	550	.....	.....	.....		85,060.78	50	.....	.....	3,900
1916	31,152.52	.....	2,701	.....	.....	.....		27,439.63	.....	481	.....	.....	.....		96,913.51	46	.....	.....	3,228
1917	33,358.31	.....	2,783	.....	.....	.....		28,235.05	.....	503	.....	.....	.....		111,367.47	42	5,093	21.88	3,328
1918	37,216.29	1,157,382	2,807	34	1.11	3.2		31,612.57	919,826	535	147	5.07	3.4		142,118.26	42	6,967	20.39	3,384
1919	41,584.37	1,342,696	2,633	43	1.32	3.1		33,390.02	978,503	625	131	4.45	3.4		168,517.53	58	8,420	20.01	3,316
1920	45,432.34	1,641,294	2,960	45	1.28	2.8		32,165.55	1,078,290	590	152	4.54	3.0		178,529.32	59	8,983	19.57	3,609
1921	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....
1922	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....
1923	55,526.19	2,544,274	3,153	67	1.47	2.1		36,892.19	1,458,218	630	193	4.88	2.5		338,532.24	79	18,335	18.46	3,862
Port Colborne—																			
1920	4,301.69	101,020	465	25	1.00	4.2		3,082.14	89,448	132	80	2.25	3.5	4	2,718.09	13	140	19.45	610
1921	8,220.47	164,365	579	24	1.18	5.0	10	5,125.80	140,397	151	79	2.83	3.6		4,381.18	17	181	24.20	747
1922	9,496.22	246,059	608	34	1.33	3.9		4,990.40	159,052	155	87	2.72	3.1		7,602.88	13	275	27.65	776
1923	11,719.01	422,793	695	51	1.41	2.8		5,524.34	236,224	175	112	2.63	2.3		4,199.73	14	185	22.70	884
Port Credit—																			
1913	1,963.22	.....	93	.....	.....	.....	None	*	.....	21	.....	.....	.....	None	848.59	2	.....	.....	116
1914	2,461.42	41,862	125	.....	.....	6.0		*	.....	35	.....	.....	6.0		308.88	2	.....	.....	162
1915	1,975.29	36,484	141	23	1.24	5.4		587.11	17,934	33	44	1.18	3.3		236.47	3	.....	.....	177
1916	1,781.49	44,251	145	26	1.04	4.0		464.02	13,800	33	35	1.17	3.3		257.40	3	.....	.....	181
1917	1,822.36	42,378	162	23	98	4.3		452.84	12,833	33	33	1.14	3.5		246.63	3	23	.....	198
1918	2,107.78	58,660	164	29	1.07	3.5		509.82	15,875	33	40	1.28	3.2		203.48	3	23	.....	200
1919	2,459.05	78,097	182	36	1.13	3.1		669.12	16,213	39	35	1.43	4.1		245.57	3	23	.....	224
1920	3,173.10	96,791	199	40	1.33	3.3		1,164.86	46,568	44	81	2.21	2.7		406.02	3	33	12.30	246
1921	3,878.10	130,797	221	49	1.46	3.0		1,479.06	48,529	42	93	2.77	3.0		1,536.81	6	64	24.01	269
1922	4,220.61	169,972	241	61	1.52	2.5		1,786.91	75,859	46	145	3.38	2.3		1,525.24	6	67	22.76	293
1923	5,294.45	255,936	270	78	1.63	2.0		1,781.95	79,280	55	136	2.69	2.2		1,343.47	8	.....	.....	333
Port Dalhousie—																			
1913	3,742.54	.....	238	.....	.....	.....	Flat	*	.....	*	.....	.....	.....	Flat	347.28	3	.....	.....	241
1914	3,656.01	.....	240	.....	.....	.....		*	.....	10	.....	.....	.....		429.54	3	.....	.....	253
1915	3,608.70	.....	250	.....	.....	.....		.....	.....	10	.....	.....	.....		252.12	2	.....	.....	262
1916	2,868.05	.....	330	.....	.....	.....		782.99	.....	23	.....	.....	.....		339.12	8	.....	.....	370
1917	3,249.37	.....	330	.....	.....	.....		881.01	.....	32	.....	.....	.....		321.67	8	.....	.....	370
1918	3,224.98	.....	366	.....	.....	.....		799.78	.....	29	.....	.....	.....		615.76	10	53	.....	405
1919	3,620.82	.....	338	.....	.....	.....		1,155.84	.....	32	.....	.....	.....		948.66	10	84	.....	380
1920	4,055.23	92,034	360	23	96	4.5		1,059.28	23,916	34	60	2.67	4.4		1,234.39	9	85	14.50	403
1921	5,134.11	98,418	373	22	1.15	5.2		1,018.97	22,915	28	68	3.03	4.4		1,054.38	7	71	14.85	408
1922	6,376.33	108,840	411	23	1.36	5.8		1,162.77	31,175	33	86	3.23	3.7		1,758.66	8	128	13.74	452
1923	7,401.61	135,738	516	21	1.19	5.4		1,851.11	26,165	29	75	5.35	7.0		2,318.60	10	119	19.48	555

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Port Dover—																			
1922	2,069.83	29,380	156	16	1.11	7.0		2,075.46	24,403	77	26	2.25	8.5		261.85	3	11	23.80	236
1923	3,590.29	54,876	208	21	1.43	6.5		2,551.59	38,976	88	37	2.42	6.5		938.66	4	21	44.69	300
Port McNicoll—																			
1915	415.03	6,037	60	.....	.....	6.8	None	311.20	6,542	26	.....	1.07	4.7	None	.....	.....	.....	.....	86
1916	618.82	9,450	66	12	82	6.5		301.92	4,738	21	17	.....	6.4		7.37	1	.....	.....	88
1917	829.39	.....	78	.....	.....	.....		381.25	.....	21	.....	.....	.....		77.41	1	.....	.....	100
1918	878.50	15,481	82	16	91	5.6		427.47	7,639	19	31	1.78	5.5		28.09	1	3	.....	102
1919	1,201.52	18,536	100	15	1.00	6.5		528.68	8,890	22	34	2.00	5.9		51.13	1	.....	.....	123
1920	1,514.24	22,640	103	18	1.22	6.7		566.00	9,560	22	36	2.14	5.9		87.40	1	2	43.70	126
1921	1,879.68	30,108	106	24	1.48	6.2		692.07	13,992	26	42	2.22	4.9		109.77	1	3	36.59	133
1922	2,024.69	30,862	109	24	1.58	6.5		964.67	14,820	30	46	2.87	6.3		98.90	1	2	49.45	140
1923	1,769.16	31,930	112	23	1.31	5.5		1,095.31	16,238	33	41	2.77	6.7		80.81	1	3	26.94	146
Port Perry—																			
1922	860.24	.....	.....	.....	.....	.....		509.11	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....
1923	5,722.85	.....	.....	.....	.....	.....		3,270.27	.....	.....	.....	.....	.....		735.45	.....	21	.....	.....
Port Stanley—																			
1912	897.02	.....	122	.....	.....	.....	Flat	1,106.63	.....	40	.....	.....	.....	Flat	1,314.70	3	.....	.....	165
1913	1,828.06	.....	182	.....	.....	.....		1,771.70	.....	60	.....	.....	.....		2,418.00	9	.....	.....	251
1914	2,066.41	.....	229	.....	.....	.....		1,753.60	.....	72	.....	.....	.....		2,170.83	12	.....	.....	313
1915	2,498.57	.....	274	.....	.....	.....		1,736.42	.....	73	.....	.....	.....		2,064.76	9	.....	.....	356
1916	2,956.97	.....	308	.....	.....	.....		1,551.37	.....	72	.....	.....	.....		1,985.92	11	.....	.....	391
1917	3,386.56	.....	323	.....	.....	.....		1,714.56	.....	57	.....	.....	.....		3,174.23	6	.....	.....	396

1918	3,736.63	59,736	140	21	1.34	6.2		1,734.62	21,927	67	27	2.15	7.9		2,738.60	16	80	34.23	223
1919	4,433.44	.....	388	.....	95	.....		1,973.57	.....	75	.....	2.20	.....		2,996.19	17	77	38.91	480
1920	5,003.83	.....	439	.....	95	.....		1,696.00	38,808	89	36	1.59	4.4		5,324.27	20	161	33.07	548
1921	6,558.51	367,909	481	64	1.14	.....		1,608.99	72,080	111	54	1.21	.....		5,344.03	19	174	30.71	611
1922	7,306.84	.....	508	.....	.....	.....		1,881.49	.....	67	.....	.....	.....		5,720.55	12	190	30.11	587
1923	7,460.33	.....	518	.....	1.21	.....		2,110.89	.....	60	.....	2.94	.....		3,933.41	14	144	27.31	592
Prescott—																				
1914	4,868.75	.....	342	.....	.....	.....	9	3,600.00	.....	122	.....	.....	.....	9	1,099.27	10	.....	.....	474
1915	4,058.14	67,130	369	16	95	6.0		3,033.62	62,647	145	39	1.89	4.8		3,431.45	11	.....	.....	525
1916	4,186.96	63,304	380	15	93	6.6		3,611.95	71,794	133	43	2.16	5.0		4,141.90	22	.....	.....	525
1917	4,865.40	79,202	381	17	1.06	6.1		3,999.55	88,386	134	55	2.49	4.5		5,010.65	14	232	21.60	529
1918	4,783.96	79,573	414	16	1.00	6.0		3,663.18	87,224	134	54	2.27	4.2		5,595.29	14	257	21.77	562
1919	5,354.77	96,876	524	19	1.05	5.5		3,556.77	69,093	126	46	2.35	5.1		4,946.97	18	243	20.36	568
1920	5,952.58	113,550	456	21	1.09	5.2		4,043.40	81,938	136	50	2.48	4.9		5,206.91	21	257	20.26	613
1921	7,851.66	122,369	466	22	1.40	6.4		4,730.49	89,896	133	56	2.96	5.3		5,721.94	18	270	22.19	617
1922	8,954.07	152,011	470	27	1.59	5.9		5,196.38	103,430	136	64	3.23	5.0		6,481.29	21	336	19.28	627
1923	8,617.09	176,463	473	31	1.51	4.9		4,947.78	111,852	147	63	2.80	4.4		6,360.59	20	254	25.08	.....
Preston—																				
1912	4,234.68	.....	341	.....	.....	.....	9+20	5,237.99	.....	131	.....	.....	.....	9+20	15,478.14	21	.....	.....	492
1913	5,477.10	83,852	526	16	1.05	6.5		5,366.77	103,000	151	61	3.18	5.2		21,017.68	28	.....	.....	705
1914	6,520.39	108,257	629	14	90	6.0		5,011.15	106,675	165	56	2.64	4.7		21,975.26	29	.....	.....	823
1915	6,615.91	129,896	714	16	82	6.1		4,488.76	118,756	174	58	2.21	3.8		21,698.34	30	.....	.....	918
1916	7,341.15	186,361	785	21	82	3.9		4,779.76	155,325	182	72	2.24	3.1		22,624.37	34	.....	.....	1,001
1917	8,956.89	215,302	843	22	91	4.2		5,733.82	159,885	186	72	2.60	3.5		24,569.60	35	1,353	18.16	1,064
1918	9,090.16	254,288	871	24	88	3.5		4,981.29	158,257	190	70	2.20	3.1		23,016.09	37	1,235	18.63	1,098
1919	10,345.24	302,252	935	27	92	3.4		6,320.68	227,636	193	97	2.73	2.8		27,339.13	40	1,505	18.17	1,168
1920	11,667.41	411,997	1,010	34	96	2.8		7,902.05	287,866	193	124	3.41	2.7		29,895.21	41	1,902	15.72	1,244
1921	15,234.56	472,870	1,074	37	1.10	3.2		8,008.17	311,846	196	133	3.40	2.6		32,165.77	42	1,755	18.33	1,312
1922	19,038.45	803,177	1,164	60	1.42	2.4		9,203.81	365,412	203	153	3.85	2.5		38,677.75	53	2,116	18.28	1,420
1923	24,540.48	1,181,121	1,212	81	1.68	2.0		11,579.10	456,108	202	188	4.77	2.5		41,981.43	53	1,854	22.64	.....
Priceville—																				
1922	356.45	.....	18	.....	.....	.....		180.10	.....	8	.....	.....	.....		.....	.....	.....	.....	26
1923	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....
Princeton—																				
1915	440.42	.....	30	.....	.....	.....	None	81.57	.....	15	.....	.....	.....	None	.....	.....	.....	.....	45
1916	657.80	7,739	44	17	1.48	8.5		127.81	1,278	11	8	83	10.6		192.92	.....	.....	.....	55
1917	789.51	8,412	46	16	1.46	9.4		178.43	1,290	12	9	1.24	.....		.....	.....	.....	.....	58
1918	657.45	6,960	47	12	1.17	9.4		181.19	2,367	12	16	1.25	7.6		.....	.....	.....	.....	59
1919	845.12	.....	48	.....	1.47	.....		229.56	.....	12	.....	1.60	.....		.....	.....	.....	.....	60
1920	1,104.05	.....	64	.....	1.45	.....		339.38	.....	13	.....	2.17	.....		.....	.....	.....	.....	77
1921	1,223.37	12,036	55	18	1.85	10.2		393.41	3,570	10	30	3.28	11.0		.....	.....	.....	.....	65
1922	1,527.18	.....	55	.....	.....	.....		469.37	.....	12	.....	.....	.....		.....	.....	.....	.....	67
1923	1,751.92	.....	55	.....	2.65	.....		425.60	.....	12	.....	2.95	.....		.....	.....	.....	.....	67

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c			$ c.	
Queenston—																			
1922	996.25	31,563	55	48	1.51	3.1		159.43	2,143	7	26	1.83	7.4		591.09	2	24	24.63	57
1923	1,443.69	52,085	64	67	1.87	2.7		154.90	2,674	3	87	4.33	6.2		579.52	1	24	24.14	68
Ridgetown—																			
1916	2,173.64	24,975	174	.....	.....	8.7	10+25	2,838.32	32,594	101	.....	.....	8.7	10+25	740.86	3	.....	.....	278
1917	2,551.69	31,381	205	14	1.12	8.1		2,720.19	26,199	98	22	2.31	10.3		2,245.85	5	96	23.39	308
1918	2,726.19	33,538	221	13	1.06	8.1		2,434.14	32,567	97	30	2.08	7.4		4,188.49	6	135	31.02	324
1919	3,364.53	47,770	269	15	1.04	7.1		2,991.80	46,266	102	38	2.38	6.3		4,510.09	8	166	27.17	379
1920	4,054.63	63,938	317	15	1.07	7.1		3,474.32	62,322	108	48	2.68	5.6		5,249.31	8	169	31.06	433
1921	4,524.10	79,775	359	19	1.05	5.7		3,401.55	64,552	121	44	2.34	5.3		6,200.89	9	191	32.46	489
1922	4,308.72	104,199	391	23	96	4.2		3,164.42	88,999	128	60	2.13	3.5		6,349.73	11	205	30.97	530
1923	5,138.35	124,607	424	24	1.00	4.2		3,501.55	100,981	128	66	2.27	3.4		6,057.22	14	204	29.69	566
Ripley—																			
1922	1,312.40	11,993	64	16	1.71	10.9		1,598.21	12,452	44	24	3.03	12.8		1,618.29	1	39	41.49	109
1923	1,509.93	15,463	74	18	1.70	9.7		1,742.65	12,389	44	23	3.30	14.0		1,094.16	1	38	28.79	119
Riverside—																			
1922	3,298.22	.....	376	.....	.....	.....		320.09	.....	14	.....	.....	.....		312.30	2	.....	.....	392
1923	14,832.01	533,595	492	90	2.51	2.7		1,430.38	25,341	21	100	5.67	5.6		1,490.49	5	66	24.09	518
Rockwood—																			
1913	230.27	.....	48	.....	.....	.....	None	*	.....	9	.....	.....	.....	None	470.82	1	.....	.....	58
1914	848.55	7,824	54	13	1.38	8.8		*	.....	7	.....	.....	8.8		1,542.01	3	.....	.....	64

1915	731.97	9,500	65	13	1.03	7.7		251.27	3,300	10	32	2.46	7.7		907.57	3	.....	.....	78
1916	733.66	11,263	72	14	89	6.5		388.05	5,930	11	47	3.08	6.4		903.57	5	.....	.....	87
1917	795.54	12,740	77	14	90	6.2		380.90	6,061	15	39	2.44	6.3		1,097.05	3	59	18.60	95
1918	860.14	13,242	79	14	91	6.4		372.56	5,812	14	33	2.14	6.4		1,087.21	4	59	18.43	97
1919	1,023.14	17,602	93	16	92	5.8		384.46	6,571	17	32	1.90	5.9		1,177.94	4	59	19.97	114
1920	1,382.39	22,935	94	20	1.23	6.2		480.73	6,116	18	28	1.89	6.7		1,310.28	4	60	21.84	116
1921	1,799.39	27,899	112	21	1.34	6.4		584.02	7,607	16	40	3.04	7.7		2,056.68	4	73	28.17	132
1922	1,939.72	35,916	118	26	1.41	5.4		550.71	7,597	17	40	2.85	7.2		1,434.38	4	58	24.73	139
1923	1,835.72	39,722	125	26	1.23	4.6		508.88	7,663	18	35	2.36	6.6		1,332.84	4	52	25.63	147
Rodney—																			
1917	587.46	.....	57	.....	.....	.....	None	665.84	.....	41	.....	.....	.....	None	.....	.....	.....	....	98
1918	794.65	6,522	63	9	1.10	12.0		911.63	7,916	44	15	1.78	11.5		.....	.....	.....	.....	107
1919	1,050.66	10,423	78	11	1.12	10.1		1,224.65	9,712	46	18	2.04	11.4		1,657.98	2	47	35.28	126
1920	1,516.38	15,389	104	12	1.21	9.9		1,373.38	12,641	53	20	2.16	10.9		1,506.77	2	55	27.40	159
1921	1,849.15	20,809	120	14	1.28	8.9		1,548.45	14,445	56	21	2.30	10.7		1,427.43	2	51	27.99	178
1922	1,897.70	26,252	131	17	1.26	7.3		1,362.47	18,950	60	26	1.89	7.2		1,343.34	4	69	19.47	195
1923	2,005.79	31,109	148	17	1.12	6.4		1,373.87	26,218	60	36	1.92	5.2		1,933.14	4	72	26.84	212
St. Catharines—																			
1914	2,013.48	53,572	833	.....	.....	3.7	7	412.75	22,843	92	.....	.....	1.9	7	12,742.98	20	.....	.....	945
1915	9,540.70	273,389	1,612	19	65	3.5		3,810.11	196,056	192	115	2.23	1.9		25,193.30	34	.....	.....	1,838
1916	16,419.57	591,765	2,410	24	68	2.8		5,925.49	318,877	247	121	2.25	1.5		40,688.67	48	.....	.....	2,705
1917	24,275.56	1,038,894	2,833	31	77	2.3		6,024.34	392,524	270	127	1.99	1.5		71,138.36	52	4,418	16.10	3,155
1918	30,187.05	1,448,273	3,022	40	84	2.0		6,028.41	374,447	279	113	1.83	1.6		94,632.33	53	4,873	19.41	3,454
1919	36,710.19	1,815,947	3,428	44	89	2.0		7,401.09	489,325	299	136	2.06	1.5		48,616.67	52	3,301	14.73	3,719
1920	46,123.30	2,899,265	3,703	65	1.04	1.6		8,930.44	627,664	338	155	2.20	1.4		60,203.07	69	3,799	15.85	4,110
1921	55,560 41	3,932,393	4,040	81	1.15	1.4		10,321.67	685,855	360	159	2.39	1.5		54,947.24	84	3,773	14.56	4,484
1922	59,603.93	4,565,984	4,341	88	1.15	1.3		11,409.66	824,900	398	173	2.39	1.4		66,583.84	93	4,057	16.40	4,832
1923	77,332.47	4,394,072	4,598	79	1.40	1.7		15,293.23	981,783	445	184	2.86	1.5		77,224.26	105	4,621	16.71	5,148
St. Clair Beach—																			
1922	113.46	.....	23	.....	.....	.....		504.81	.....	2	.....	.....	.....		66.64	1	.....	.....	26
1923	719.63	13,273	34	32	1.76	5.4		1,836.97	1,862	1	155	.....	.....		316.19	2	10	31.61	37
St. George—																			
1915	203.23	.....	39	.....	.....	.....	None	139.16	.....	14	.....	.....	.....	None	311.30	1	.....	.....	54
1916	832.23	11,483	56	20	1.46	7.2		474.38	7,031	24	31	2.08	6.7		583.52	2	.....	.....	82
1917	1,046.91	15,314	60	22	1.50	6.8		478.96	8,067	23	29	1.74	5.9		642.64	3	35	18.36	86
1918	1,138.63	14,034	64	18	1.53	8.1		456.16	8,405	25	29	1.58	5.4		1,379.58	4	44	31.35	93
1919	1,399.56	17,841	71	21	1.64	7.8		595.23	10,711	25	36	1.99	5.5		2,254.91	4	75	30.06	100
1920	1,390.96	19,694	80	20	1.45	7.1		711.98	13,764	24	48	2.47	5.2		2,010.11	4	71	28.31	108
1921	1,312.39	22,771	87	22	1.24	5.8		656.56	13,845	25	46	2.19	4.7		2,029.88	4	78	26.02	116
1922	1,608.26	31,675	96	29	1.48	5.1		719.97	14,384	27	46	2.31	5.0		2,151.07	4	83	26.89	127
1923	1,729.11	36,893	100	30	1.44	4.9		764.20	20,382	26	65	2.44	3.7		2,383.66	4	83	28.71	130

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

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	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
St. Jacobs—																			
1918	570.67	7,000	43	.....	.....	.....	None	521.00	7,559	21	.....	.....	.....	None	2,160.76	1	.....	.....	65
1919	615.87	7,992	48	14	1.07	7.7		517.40	6,462	22	24	1.96	8.0		2,031.33	2	66	30.87	72
1920	742.62	14,600	60	20	1.03	5.1		494.93	4,588	14	26	2.78	10.8		2,431.32	2	.....	.....	76
1921	989.14	16,370	57	24	1.45	6.0		524.38	6,049	23	22	1.90	8.7		2,303.05	2	77	29.91	82
1922	1,258.71	24,699	70	32	1.66	5.1		456.62	10,465	23	28	1.49	5.4		1,136.57	3	41	27.72	95
1923	1,576.05	42,219	69	63	1.90	3.7		600.18	14,401	23	52	2.17	4.1		147.82	2	13	11.37	94
St. Marys—																			
1912	4,967.16	.....	240	.....	.....	.....	9+15	4,069.20	.....	143	.....	.....	.....	9+15	6,001.30	20	.....	.....	402
1913	3,815.77	44,801	396	12	1.00	8.5		4,553.73	62,486	160	34	2.50	7.3		8,221.72	29	.....	.....	588
1914	4,614.95	67,375	454	13	90	6.7		4,733.33	75,257	161	39	2.46	6.3		10,610.00	30	.....	.....	645
1915	5,073.97	72,819	528	12	86	6.9		4,222.53	75,644	151	40	2.25	5.5		8,739.87	33	.....	.....	712
1916	5,020.33	127,274	563	19	77	3.9		3,161.26	79,768	161	42	1.69	4.0		9,266.74	28	.....	.....	752
1917	5,552.22	140,001	583	20	81	4.0		3,052.62	87,774	161	45	1.58	3.5		8,814.71	30	472	18.67	774
1918	6,341.15	173,316	606	24	88	3.6		2,973.06	86,665	180	42	1.45	3.4		8,510.57	34	426	19.97	820
1919	8,046.60	233,881	728	27	92	3.4		3,526.28	133,805	151	74	1.95	2.6		8,996.31	32	487	18.47	911
1920	9,598.64	306,916	759	34	1.05	3.1		4,593.72	154,624	151	85	2.53	3.0		15,497.27	40	671	23.10	950
1921	12,479.26	406,040	811	42	1.28	3.1		5,952.89	178,536	153	97	3.24	3.3		22,885.85	42	856	26.73	1,006
1922	15,043.43	517,681	839	52	1.51	2.9		6,097.33	173,918	198	83	2.90	3.5		21,805.60	41	844	25.83	1,078
1923	16,151.56	650,071	874	61	1.54	2.4		6,372.72	189,635	198	79	2.68	3.3		16,812.86	42	707	23.78	1,114
St. Thomas—																			
1912	7,596.01	.....	620	.....	.....	.....	11	18,741.74	.....	300	.....	.....	.....	11	14,761.30	60	.....	.....	980
1913	11,125.50	187,000	951	19	1.18	5.9		16,097.41	272,000	329	72	4.26	5.9		36,550.26	70	.....	.....	1,350
1914	13,221.00	277,539	1,499	19	90	4.8		13,480.75	346,994	384	81	3.15	3.9		44,247.13	92	.....	.....	1,975

1915	16,517.37	460,103	1,903	23	81	3.6		13,442.48	504,679	434	102	2.73	2.7		44,780.45	101	.....	.....	2,438
1916	20,210.52	629,102	2,241	25	81	3.2		15,145.47	607,131	464	93	2.81	2.5		46,698.91	107	.....	.....	2,812
1917	22,620.72	759,512	2,524	27	79	3.0		14,843.27	600,317	472	107	2.64	2.5		44,977.52	112	2,349	19.15	3,108
1918	25,561.20	877,011	2,654	28	82	2.9		12,332.86	694,990	481	121	2.15	1.7		53,973.48	112	2,546	21.19	3,247
1919	29,904.22	1,001,693	3,073	27	81	2.9		14,958.16	796,838	504	132	2.47	1.9		54,035.16	112	2,754	19.62	3,689
1920	39,060.45	1,486,606	3,485	36	93	2.6		19,489.14	868,845	523	138	3.10	2.2		53,682.89	112	3,167	16.96	4,120
1921	41,410.99	1,749,059	3,355	43	1.03	2.4		21,113.52	983,369	547	150	3.22	2.1		50,755.91	110	3,300	15.38	4,012
1922	48,664.67	2,312,688	3,744	54	1.15	2.1		25,144.74	1,148,936	574	171	3.74	2.2		58,344.66	116	3,578	16.31	4,434
1923	61,460.88	3,196,742	3,911	68	1.30	1.9		27,924.54	1,379,900	593	193	3.92	2.0		73,951.69	112	3,773	19.60	4,616
Sarnia—																				
1917	25,655.32	385,770	2,150	15	99	6.6	6	18,724.77	405,824	439	75	3.55	4.4	5—4	33,693.36	58	1,014	33.23	2,647
1918	28,772.83	549,370	2,380	20	1.05	5.2		19,935.11	494,635	445	93	3.75	4.0		35,272.45	62	1,110	31.78	2,887
1919	33,920.44	720,871	2,681	22	1.05	4.7		22,668.63	534,075	492	91	3.84	4.2		68,714.03	70	2,065	33.28	3,243
1920	44,174.44	1,028,520	2,918	29	1.26	4.3		28,041.43	566,212	477	98	4.90	5.0		100,632.53	65	2,687	37.45	3,460
1921	51,857.64	1,473,021	3,591	34	1.20	3.5		29,269.89	841,088	546	127	4.47	3.5		90,166.93	79	2,816	22.02	4,216
1922	57,975.10	1,903,231	3,928	42	1.29	3.0		24,663.65	949,077	565	143	3.54	2.5		92,054.18	86	2,950	31.20	4,579
1923	69,562.83	2,591,212	3,923	55	1.47	2.6		31,650.47	1,071,813	558	160	4.72	2.9		99,326.63	79	3,024	32.84	4,560
Scarboro Twp.—																				
1919	.....	58,961	428	12	.....	.....	None	.....	4,054	9	30	.....	.....	None	.....	1	.....	.....	438
1920	.....	144,202	652	18	.....	.....		*	3,374	8	35	.....	.....		3,083.31	3	59	52.26	663
1921	13,932.01	305,779	947	27	1.23	4.5		943.89	18,096	15	100	5.24	5.2		3,920.18	8	119	32.94	960
1922	20,438.77	293,567	1,363	.....	.....	.....		83.13	11,845	58	.....	.....	.....		10,281.79	12	175	58.75	1,433
1923	40,972.43	804,373	2,552	26	1.33	5.0		5,163.61	98,561	172	48	2.50	5.2		10,814.89	25	295	36.66	2,749
Seaforth—																				
1913	2,124.18	24,665	178	.....	.....	8.6		2,876.47	34,789	105	.....	.....	8.3		7,509.99	10	.....	.....	293
1914	2,467.36	37,453	211	16	1.06	6.8	8+25	2,581.30	45,492	112	35	1.98	5.6	8+25	7,707.01	10	.....	.....	333
1915	2,593.70	43,162	238	16	96	6.0		2,724.84	48,840	111	37	2.03	5.6		7,685.52	11	.....	.....	360
1916	3,045.65	51,884	280	17	97	5.9		2,941.03	56,380	110	43	2.22	5.2		9,684.11	12	.....	.....	402
1917	3,437.49	59,870	298	17	96	5.8		2,902.34	49,593	112	37	2.16	5.8		15,125.30	13	401	37.72	423
1918	3,675.33	65,761	311	18	99	5.6		2,874.71	50,140	108	38	2.17	5.7		21,124.99	12	573	36.86	431
1919	4,209.20	80,479	326	21	1.08	5.2		3,460.97	62,055	119	43	2.42	5.6		12,054.95	13	469	25.70	455
1920	4,606.78	94,972	400	20	96	4.8		3,764.88	79,380	117	56	2.68	4.8		9,860.95	13	360	27.39	530
1921	5,870.40	138,859	447	26	1.09	4.2		3,610 84	89,515	124	60	2.43	4.0		9,993.15	13	407	24.55	584
1922	6,631.66	182,565	479	32	1.19	3.7		3,567.85	91,694	116	64	2.48	3.9		8,829.97	11	354	24.94	606
1923	7,854.34	250,783	504	41	1.29	3.1		3,879.71	111,753	110	84	2.93	3.4		6,622.57	12	.....	.....	626
Shelburne—																				
1917	1,625.28	28,451	133	18	1.02	5.7	10	1,362.06	23,807	74	27	1.53	5.7	10	620.14	4	28	22.15	210
1918	1,749.09	31,280	142	19	1.06	5.5		1,416.45	25,820	76	28	1.57	5.4		2,465.07	5	102	24.16	223
1919	2,046.30	40,546	170	20	1.00	5.0		1,645.38	32,215	76	35	1.80	5.1		2,606.52	3	107	24.36	249
1920	2,616.47	42,896	182	19	1.18	6.1		2,084.51	34,331	81	35	2.14	6.1		4,086.32	9	173	23.62	272
1921	3,754.83	60,112	206	24	1.52	6.2		2,862.25	48,759	80	51	2.98	5.9		4,460.29	7	181	24.64	293
1922	4,441.32	68,766	221	27	1.74	6.4		2,829.00	46,235	78	49	2.98	6.1		3,429.94	9	152	22.57	308
1923	4,535.60	68,639	234	24	1.61	6.6		3,545.17	49,900	86	48	3.43	7.1		3,678.96	8	144	25.54	328

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Simcoe—																			
1915	351.67	5,227	35	.....	.....	6.7	None	1,386.89	26,852	61	.....	.....	5.1	None	766.42	8	.....	.....	153
1916	1,857.61	13,238	57	.....	.....	6.5		2,292.28	46,254	84	53	2.63	5.0		1,386.33	12	.....	.....	198
1917	1,346.19	25,468	79	31	1.65	5.3		3,054.71	71,756	103	64	2.74	4.3		1,819.98	16	89	20.45	.....
1918	1,544.94	29,766	103	27	1.41	5.1		3,134.81	75,588	111	59	2.44	4.1		2,012.87	16	97	20.75	230
1919	2,237.23	40,838	134	25	1.40	5.5		4,431.49	96,254	126	62	2.93	4.7		2,766.80	80	134	20.65	278
1920	2,960.86	63,962	176	30	1.40	4.6		5,036.58	131,406	136	80	3.09	3.8		2,856.90	20	155	18.43	332
1921	3,446.47	95,067	222	36	1.28	3.6		4,967.07	170,629	154	92	2.69	2.9		4,130.39	21	232	17.80	397
1922	4,194.50	160,517	277	54	1.40	2.6		5,631.93	216,105	181	108	2.81	2.6		6,160.26	24	314	19.62	482
1923	4,973.09	205,303	339	50	1.22	2.4		6,398.76	282,749	195	120	2.73	2.3		8,435.28	24	335	25.17	558
Smiths Falls—																			
1919	12,798.23	303,116	1,017	25	1.05	4.2	8	8,267.12	216,517	226	80	3.05	3.8	8	12,127.54	28	438	27.69	1,271
1920	19,399.20	.....	1,121	.....	.....	.....		11,655.03	.....	240	.....	.....	.....		22,392.75	31	668	33.50	1,394
1921	24,285.20	448,540	1,162	32	1.74	5.4		12,264.33	244,781	232	88	4.41	5.2		25,304.04	37	795	31.83	1,431
1922	24,402.79	513,494	1,294	35	1.66	4.7		14,260.12	228,143	245	78	4.99	6.2		25,074.49	36	787	31.86	1,575
1923	27,991.85	611,553	1,323	38	1.76	4.5		13,961.93	284,213	247	95	4.71	4.9		27,656.52	36	833	33.32	1,606
Springfield—																			
1918	738.06	7,332	40	.....	.....	.....	None	526.02	6,161	18	.....	.....	.....	None	650.34	2	25	.....	60
1919	900.59	9,413	47	17	1.60	9.6		635.08	8,595	21	34	2.52	7.4		545.33	2	28	19.48	70
1920	961.07	10,813	50	18	1.60	8.9		697.17	8,281	21	33	2.75	8.4		648.72	2	28	23.17	73
1921	1,110.81	13,368	53	21	1.75	8.3		574.12	.....	22	.....	2.20	.....		528.69	2	27	19.58	77
1922	1,216.56	15,720	64	23	1.75	7.7		589.43	5,709	24	21	2.14	10.3		701.33	3	33	21.25	91
1923	1,389.91	17,389	70	20	1.78	7.9		651.05	6,116	25	20	2.17	10.6		666.82	2	32	20.86	97

Stamford Twp.—																			
1920	6,951.53	.....	673	.....	.....	.....	None	.....	.....	27	.....	.....	.....	None	7,276.54	11	.....	.....	711
1921	10,340.84	.....	770	.....	.....	.....		.....	.....	20	.....	.....	.....		6,937.46	9	.....	.....	799
1922	15,246.07	774,352	751	82	1.67	2.0		365.04	1,254	16	.....	.....	.....		11,241.10	14	445	25.26	112
1923	18,250.90	847,910	856	82	1.77	2.1		1,022.41	15,414	12	107	7.10	6.6		10,171.53	11	431	23.59	879
Stayner—																			
1913	158.48	.....	120	.....	.....	.....		116.91	.....	30	.....	.....	.....		301.86	2	.....	.....	152
1914	909.58	9,200	108	7	66	9.9		747.93	11,000	56	20	1.45	6.7		1,699.08	2	.....	.....	156
1915	995.47	11,845	106	9	78	8.4	Flat	933.55	13,725	56	20	1.39	6.8	Flat	1,694.94	2	.....	.....	164
1916	1,012.15	11,995	115	9	76	9.2		997.39	12,955	65	18	1.37	7.7		1,835.29	3	.....	.....	183
1917	1,109.46	13,883	124	10	78	7.9		957.56	17,169	59	23	1.29	5.6		1,009.88	5	44	22.95	188
1918	1,180.03	13,826	132	10	76	7.0		914.85	15,682	57	22	1.13	5.8		1,982.63	4	78	25.41	193
1919	1,368.49	24,969	134	14	85	6.1		1,334.50	21,766	60	30	1.85	6.1		3,382.97	5	134	25.23	199
1920	1,896.77	24,748	151	14	1.05	7.7		1,683.99	26,620	62	36	2.26	6.3		3,826.06	5	171	22.38	218
1921	2,534.35	40,043	164	20	1.29	6.3		2,301.30	34,034	65	44	2.95	6.8		3,006.88	9	126	23.86	238
1922	2,707.30	37,525	176	18	1.33	6.1		2,246.55	36,789	67	47	2.82	6.1		2,433.27	7	114	20.28	250
1923	3,169.66	42,621	253	14	1.04	7.4		1,805.88	29,887	54	46	2.78	6.0		2,830.60	8	108	26.20	315
Stratford—																			
1912	6,942.56	.....	640	.....	90	.....	12+25	14,661.16	.....	316	.....	3.86	.....	12+25	8,834.40	76	.....	.....	1,032
1913	11,550.71	.....	1,042	.....	1.02	.....		17,072.61	.....	367	.....	4.15	.....		14,272.59	92	.....	.....	1,501
1914	15,180.91	269,459	1,403	18	1.03	5.5		16,336.30	345,639	396	76	3.55	4.7		16,519.24	99	.....	.....	1,898
1915	16,967.58	388,200	1,724	21	90	4.4		14,766.75	400,686	439	79	2.92	3.7		15,415.78	104	.....	.....	2,267
1916	20,108.76	553,441	1,993	26	90	3.6		14,803.08	601,616	463	110	2.75	2.5		23,506.12	103	.....	.....	2,559
1917	26,614.85	831,496	2,492	31	99	3.2		16,385.81	613,108	388	120	3.21	2.6		27,846.16	112	1,167	23.86	2,992
1918	29,314.17	1,047,437	2,626	34	95	2.7		15,261.26	518,122	399	109	3.23	2.9		27,845.41	118	1,234	22.56	3,143
1919	35,342.84	1,380,776	2,898	40	1.02	2.6		17,330.26	636,710	408	130	4.53	2.7		26,420.07	124	1,250	21.14	3,430
1920	41,679.50	1,956,442	3,193	51	1.09	2.1		19,050.82	779,670	423	154	3.75	2.4		34,923.07	137	1,618	21.58	3,753
1921	50,918.45	2,646,048	3,414	63	1.24	1.9		19,459.85	828,518	455	152	3.56	2.3		33,036.65	146	1,702	19.41	4,015
1922	64,796.40	3,768,062	3,652	89	1.53	1.7		21,947.00	1,111,986	477	201	3.96	2.0		32,619.11	157	1,696	19.23	4,286
1923	86,303.19	5,891,038	3,875	126	1.85	1.4		26,090.64	1,201,838	499	200	4.35	2.1		25,519.47	163	1,413	18.06	4,537
Strathroy—																			
1915	3,380.78	36,200	233	.....	.....	9.3	12+25	4,701.76	50,469	147	.....	.....	9.3	12+25	700.49	5	.....	.....	385
1916	3,318.45	51,197	314	16	1.01	6.5		3,817.38	66,325	152	37	2.12	5.8		2,927.36	8	.....	.....	474
1917	4,355.25	71,509	375	17	1.05	6.1		3,554.88	62,205	153	34	1.94	5.7		4,138.79	11	175	23.65	539
1918	4,926.25	106,921	381	23	1.08	4.6		3,588.67	73,822	142	41	2.02	4.8		7,447.74	12	727	10.24	535
1919	5,589.48	112,946	417	23	1.12	4.9		4,228.41	89,732	147	51	2.40	4.7		7,064.29	13	258	27.38	577
1920	6,891.04	155,682	479	27	1.20	4.4		5,037.74	115,923	159	61	2.64	4.3		11,192.48	22	502	22.29	660
1921	7,927 50	205,236	537	32	1.23	3.9		5,436.85	122,041	165	62	2.75	4.4		13,145.24	23	604	21.76	725
1922	9,019.42	259,236	617	37	1.30	3.5		5,685.75	153,162	164	77	2.88	3.7		12,936.06	23	599	21.48	804
1923	10,366.64	338,245	650	44	1.33	3.0		5,985.14	172,329	173	83	2.88	3.4		12,460.15	24	469	26.56	847

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Sunderland—																			
1915	794.83	.....	57	.....	.....	.....	12.5	939.85	.....	36	.....	.....	.....	12.5	.....	.....	.....	.....	93
1916	752.64	7,714	61	11	1.06	9.8		840.22	9,644	37	45	1.92	9.0		211.86	1	.....	.....	99
1917	858.64	10,369	58	15	1.29	8.3		745.91	10,108	27	26	1.94	7.4		731.14	2	34	21.50	87
1918	988.01	11,631	65	15	1.33	8.4		735.19	7,867	31	22	2.11	9.3		825.04	1	30	27.50	97
1919	1,123.51	14,103	71	17	1.32	8.0		905.32	10,497	32	24	2.36	9.8		1,001.01	1	30	33.37	104
1920	1,580.01	17,349	79	18	1.66	9.1		1,060.24	10,876	34	27	2.60	9.7		790.48	1	30	26.35	114
1921	1,851.55	16,233	79	17	1.95	11.4		1,398.04	9,850	35	23	3.33	14.2		814.60	2	30	27.15	116
1922	1,858.95	16,376	80	17	1.94	11.4		1,523.73	14,023	36	34	3.63	10.9		755.72	2	35	22.90	118
1923	1,879.48	20,757	89	19	1.75	9.0		1,441.09	12,508	39	26	3.07	11.5		804.86	2	36	22.35	130
Tara—																			
1918	428. 0	.....	45	.....	.....	.....	None	392.66	.....	34	.....	.....	.....	None	352.49	1	.....	.....	80
1919	601.28	9,807	59	14	85	6.1		694.94	11,526	38	24	1.52	6.0		519.73	3	27	19.24	100
1920	1,093.36	16,329	71	19	1.28	6.7		1,047.54	13,127	42	26	2.08	8.0		950.40	5	46	20.66	118
1921	1,824.40	22,922	81	24	2.54	7.9		1,787.89	15,682	39	34	3.82	11.4		1,134.69	6	.....	.....	126
1922	2,226.18	.....	84	.....	.....	.....		1,977.69	.....	37	.....	.....	.....		1,120.91	5	32	35.03	126
1923	2.074.95	.....	.....	.....	.....	.....		1,573.28	.....	.....	.....	.....	.....		1,102.58	4	39	28.27	.....
Tavistock—																			
1917	1,155.03	.....	80	.....	.....	.....	10	1,396.92	.....	64	.....	.....	.....	10	1,915.65	2	.....	.....	146
1918	1,258.12	13,089	114	10	92	9.6		1,014.49	11,047	58	16	1.46	9.2		10,303.82	3	284	36.29	175
1919	1,442.02	21,845	126	14	95	6.6		991.26	18,574	60	26	1.36	5.3		10,133.62	4	305	33.23	190
1920	1,806.64	31,384	139	19	1.08	5.7		1,015.70	21,082	64	29	1.32	4.6		8,593.94	4	298	28.84	207
1921	2,184.08	49,433	155	27	1.17	4.4		1,069.78	39,706	64	52	1.39	2.7		8,593.78	4	300	28.64	223
1922	3,131.34	83,513	201	39	1.47	3.7		1,129.37	48,305	62	64	1.46	2.3		6,626.92	4	249	26.61	267
1923	3,609.74	114,021	200	47	1.50	3.1		1,323.87	48,352	66	61	1.67	2.7		2,744.62	4	159	17.33	270

Tecumseh—																				
1922	1,325.94	.....	279	.....	.....	.....		541.16	.....	32	.....	.....	.....		15.15	1	.....	.....	312
1923	6,184.85	69,521	302	19	1.70	8.8		1,833.70	24,251	33	61	4.63	7.5		150.04	1	7	21.43	336
Teeswater—																				
1922	2,695.66	38,937	127	25	1.77	6.9		1,480.98	22,148	47	39	2.63	6.7		2,528.67	3	94	26.90	177
1923	2,890.60	52,740	136	32	1.77	5.4		2,030.58	32,980	60	45	2.83	6.1		3,011.49	3	.....	.....	.....
Thamesford—																				
1914	393.49	3,686	44	.....	.....	10.9	None	323.92	3,445	26	.....	.....	9.4	None	946.32	2	.....	.....	72
1915	374.34	6,676	59	9	78	8.6		481.78	5,886	26	12	1.20	8.2		423.21	2	.....	.....	87
1916	642.21	7,540	64	10	87	8.5		537.42	6,768	29	20	1.63	7.9		268.23	2	.....	.....	54
1917	646.83	6,973	63	9	86	9.3		588.64	6,827	28	20	1.75	8.6		682.43	3	41	16.64	99
1918	652.58	7,773	67	10	81	8.5		630.67	9,019	28	27	1.88	7.0		1,680.37	4	69	24.35	99
1919	820.10	8,993	69	11	1.12	9.1		819.62	10,572	27	33	2.53	7.7		3,727.03	4	69	38.22	100
1920	1,030.02	10,899	71	13	1.21	9.4		980.63	12,388	28	37	2.75	7.4		3,852.98	3	105	36.70	102
1921	1,127.26	13,113	80	14	1.17	8.6		1,003.40	13,575	27	42	3.10	7.4		4,009.68	3	104	38.55	110
1922	1,274.53	16,861	85	17	1.27	7.6		1,228.33	16,823	26	54	3.94	7.3		4,211.07	4	109	38.63	115
1923	1,345.98	18,637	90	17	1.25	7.2		1,212.44	17,875	27	55	3.74	6.7		3,976.75	6	112	35.50	123
Thamesville—																				
1915	378.79	.....	107	.....	.....	.....	9	283.36	.....	53	.....	.....	.....	11	.....	.....	.....	.....	160
1916	1,729.79	19,061	137	13	1.18	9.1		1,021.17	13,087	59	20	1.52	7.8		.....	.....	.....	.....	196
1917	1,829.34	21,168	145	13	1.08	8.6		949.80	9,697	70	12	1.22	9.8		.....	.....	.....	.....	215
1918	1,781.98	23,819	149	13	1.00	7.5		909.52	11,131	63	15	1.20	8.2		.....	.....	.....	.....	213
1919	1,672.09	26,913	149	15	94	6.2		1,242.00	16,158	69	19	1.50	7.7		.....	.....	.....	.....	218
1920	2,293.54	31,757	168	16	1.14	7.2		1,783.72	16,581	67	21	2.22	10.8		199.80	2	.....	.....	237
1921	2,907.81	36,542	183	17	1.32	8.0		2,578.52	24,263	66	31	3.26	10.6		2,556.55	4	64	39.95	253
1922	3,030.28	41,882	181	19	1.39	7.2		2,179.75	28,244	72	34	2.63	7.7		3,161.15	5	81	39.03	258
1923	3,013.98	51,037	196	21	1.28	5.9		2,264.50	24,347	83	32	2.99	9.3		3,081.16	6	90	34.24	285
Thedford—																				
1922	1,027.74	.....	100	.....	.....	.....		686.87	.....	33	.....	.....	.....		365.28	1	.....	.....	134
1923	2,038.83	16,197	105	12	1.61	12.5		1,406.69	11,144	36	26	3.25	12.6		1,017.24	2	27	37.67	143
Thorndale—																				
1914	446.27	2,787	34	.....	.....	7.8	None	.....	2,989	18	.....	.....	7.8	None	329.27	1	.....	.....	53
1915	299.37	2,816	32	7	76	10.6		374.09	3,653	20	16	1.64	10.2		542.53	1	.....	.....	53
1916	328.67	3,597	33	9	84	9.1		403.01	3,709	21	16	1.64	10.9		459.79	1	.....	.....	55
1917	382.95	4,654	37	11	91	8.2		413.03	4,642	22	17	1.56	8.9		475.53	1	24	19.81	60
1918	434.89	5,754	41	12	92	7.5		404.27	5,302	23	19	1.49	7.6		2,114.60	2	64	33.04	66
1919	539.94	9,211	43	12	1.05	8.7		560.55	6,015	27	19	1.73	9.3		2,337.09	2	77	30.35	72
1920	716.05	7,115	46	13	1.30	10.0		715.49	9,269	27	29	2.21	7.7		3,455.34	2	86	40.18	75
1921	989.21	10,666	62	16	1.33	9.3		743.97	8,748	17	43	3.65	8.5		2,102.43	2	61	34.47	81
1922	1,056.69	11,787	55	17	1.52	8.8		668.49	8,098	25	26	2.65	8.3		1,838.18	1	54	34.04	81
1923	1,198.22	15,229	54	25	1.85	7.9		711.94	10,071	26	32	2.28	7.0		1,429.26	1	36	39.70	81

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Thornton—																			
1919	390.38	.....	31	.....	....	....	None	158.36	.....	10	.....	.....	.....	None	.....	.....	.....	.....	41
1920	564.08	.....	33	.....	....	....		198.24	.....	10	.....	.....	.....		.....	.....	.....	.....	43
1921	688.24	6,683	34	16	1.69	10.3		306.20	3,250	11	24	2.32	9.4		.....	.....	.....	.....	55
1922	786.81	7,816	38	18	1.82	10.1		330.93	2,431	10	20	2.75	13.2		.....	.....	.....	.....	48
1923	879.09	7,916	38	17	1.92	11.1		259.09	2,031	10	16	2.15	12.7		.....	.....	.....	.....	.....
Thorold—																			
1922	12,100.76	558,497	985	47	1.02	2.2		4,986.80	234,313	172	113	2.41	2.1		2,590.78	5	89	29.51	1,162
1923	13,781.50	720,435	1,026	58	1.11	1.9		5,453.59	344,467	178	161	2.55	1.6		5,598.54	9	144	38.87	1,213
Tilbury—																			
1915	979.57	.....	123	.....	.....	.....	10	1,476.53	.....	67	.....	.....	.....	10	.....	.....	.....	.....	190
1916	1,507.37	21,483	127	14	1.00	6.5		2,071.77	32,612	79	37	2.36	4.5		149.60	2	.....	.....	218
1917	1,555.59	20,600	132	13	1.00	7.6		2,038.56	27,335	80	29	2.12	7.5		423.28	5	22	19.24	217
1918	1,652.71	23,964	135	15	1.02	6.9		1,834.59	26,534	75	29	2.04	6.8		1,402.53	4	56	25.15	214
1919	1,918.60	30,305	143	18	1.12	6.3		2,279.49	34,939	91	32	2.09	6.5		1,889.69	5	77	24.54	239
1920	2,372.09	35,314	144	20	1.37	6.7		2,648.21	44,668	91	41	2.43	5.9		1,711.87	6	85	20.14	241
1921	3,279.86	50,279	193	22	1.42	6.5		3,457.17	54,960	89	51	3.24	6.3		4,745.94	8	168	28.25	290
1922	4,201.29	67,899	220	25	1.69	6.2		4,265.94	67,317	88	63	4.04	6.3		6,640.84	10	256	25.90	318
1923	4,551.36	96,109	255	31	1.48	5.6		4,461.85	76,723	97	65	3.83	5.8		8,799.72	11	333	26.42	363
Tillsonburg—																			
1912	3,233.92	.....	200	.....	.....	.....	11+25	3,350.91	.....	128	.....	.....	.....	11+25	3,283.75	6	.....	.....	334
1913	2,796.57	29,115	254	10	1.03	9.6		4,677.38	66,049	143	41	2.87	7.8		4,763.15	17	.....	.....	414
1914	3,367.74	45,937	300	14	1.02	7.3		4,579.37	70,265	160	38	2.52	6.5		6,303.09	16	.....	.....	476

1915	3,203.51	55,346	348	14	83	5.7		4,236.42	74 564	161	38	2.19	5.7		5,619.15	15	.....	.....	524
1916	4,009.67	72,975	375	18	1.02	5.5		4,493.41	95,326	188	46	2.14	4.7		5,692.05	17	.....	.....	580
1917	5,237.69	97,606	400	21	1.13	5.4		4,758.14	96,044	165	45	2.25	5.0		7,935.07	20	451	17.59	585
1918	4,534.89	77,751	407	16	93	5.8		5,377.01	104,830	166	53	2.70	5.1		16,717.31	22	532	31.42	595
1919	4,971.07	110,613	441	21	94	4.5		5,573.12	136,175	178	64	2.61	4.1		23,917.76	22	781	30.63	641
1920	6,417.45	159,319	480	28	1.16	4.0		6,077.79	151,422	178	71	2.84	4.0		18,378.45	19	753	24.41	677
1921	7,160.17	178,122	527	28	1.13	4.0		6,679.06	174,255	189	77	2.94	3.8		10,084.24	19	536	18.81	735
1922	7,980.94	213,716	566	32	1.22	3.7		7,177.19	163,421	196	71	4.11	4.4		9,916.25	22	514	19.29	784
1923	8,947.95	288,605	633	38	1.18	3.1		7,538.05	205,886	172	99	3.65	3.6		13,045.34	24	567	23.02	829
Toronto—																				
1912	201,554.74	.....	11,441	.....	.....	.....	8+25	*	.....	*	.....	.....	.....	12+25	225,451.55	518	.....	.....	11,959
1913	190,376.89	4,220,270	16,519	25	1.25	4.4		233,799.04	6,156,073	4,764	....	4.09	3.8		347,708.88	1,037	.....	.....	22,320
1914	289,645.45	6,240,882	23,181	27	1.22	4.5		305,534.31	7,683,589	6,276	116	4.61	3.9		483,681.15	1,494	.....	.....	30,951
1915	331,807.18	8,599,559	29,724	27	1.04	3.9		291,907.92	10,243,496	7,227	126	3.60	2.8		575,239.17	1,504	.....	.....	38,455
1916	225,181.19	11,250,291	34,347	29	89	3.1		272,243.06	11,491,577	7,406	131	3.10	2.4		612,918.32	1,707	.....	.....	43,460
1917	414,043.17	15,341,150	41,358	34	91	2.7		297,459.72	12,763,343	9,341	126	2.96	2.3		734,294.61	2,028	36,856	19.92	52,727
1918	451,824.59	18,068,947	42,558	36	89	2.5		294,653.18	13,025,770	9,113	117	2.66	2.2		907,886.95	2,034	46,159	19.66	53,705
1919	560,912.00	22,799,666	51,242	37	91	2.5		382,167.17	17,197,460	10,510	136	3.03	2.2		1,144,453.76	2,225	52,200	21.93	63,977
1920	729,364.33	33,567,358	57,685	51	1.11	2.2		507,285.14	22,452,782	11,307	171	3.87	2.2		1,158,639.12	2,390	57,000	20.33	71,382
1921	865,908.45	38,662,078	67,019	48	1.08	2.2		699,144.27	24,954,872	12,401	168	4.70	2.8		1,236,518.60	2,488	58,880	21.00	81,908
1922	1,073,539.05	51,689,146	76,985	59	1.24	2.1		852,286.95	30,402,527	13,684	198	5.55	2.7		1,368,884.30	2,659	60,615	22.58	93,328
1923	1,817,880.36	84,345,839	102040	69	1.48	2.1		1,776,961.73	44,149,870	15,702	234	9.43	4.0		2,296,896.33	2,596	71,469	32.13	120,338
Toronto Twp.—																				
1918	13,180.75	.....	280	.....	.....	.....	None	.....	.....	.....	.....	.....	.....	None	.....	.....	.....	.....	280
1919	14,566.15	.....	258	.....	.....	.....		.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	258
1920	18,641.08	.....	398	.....	.....	.....		.....	.....	.....	.....	.....	.....		.....	12	.....	.....	410
1921	25,042.87	.....	573	.....	.....	.....		.....	.....	.....	.....	.....	.....		.....	12	.....	.....	585
1922	27,068.08	435,808	798	.....	.....	.....		.....	.....	.....	.....	.....	.....		.....	11	.....	.....	809
1923	39,423.13	.....	925	.....	.....	.....		.....	.....	.....	.....	.....	.....		9,242.53	13	265	34.87	.....
Tottenham—																				
1919	1,323.68	10,434	79	11	1.40	12.7	Flat	984.93	9,125	46	17	1.78	10.8	Flat	.....	.....	.....	.....	125
1920	1,528.86	19,560	82	19	1.55	7.8		1,011.40	11,000	41	23	2.09	9.8		.....	.....	.....	.....	123
1921	2,181.09	25,684	103	21	1.77	8.5		1,335.34	13,089	47	23	2.37	10.2		217.57	2	6	36.26	152
1922	2,479.22	29,904	106	24	1.98	8.3		1,445.59	15,209	52	25	2.41	9.5		615.59	3	22	27.99	161
1923	2,572.00	32,089	112	23	1.91	8.0		1,317.92	13,431	50	22	2.19	9.8		665.93	3	30	22.19	165
Uxbridge—																				
1922	589.77	.....	127	.....	.....	.....		669.36	.....	75	.....	.....	....		19.94	8	.....	.....	210
1923	4,320.73	44,039	178	20	2.02	9.8		4,131.97	39,357	76	44	4.54	10.4		1,424.26	11	51	27.92	.....

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality	Year	Domestic service							Commercial light							Power				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Vaughan Twp.—																				
	1918	334.57	.....	30	.....	.....	.....	None	124.50	.....	6	.....	.....	.....	None	562.17	3	.....	.....	39
	1919	549.48	6,945	42	14	1.09	7.9		150.03	1,490	8	14	1.65	11.8		1,972.79	7	86	22.94	57
	1920	763.80	8,514	47	16	1.44	8.9		152.45	1,682	10	16	1.41	9.1		2,059.19	6	79	25.06	63
	1921	1,145.99	10,309	53	16	1.80	11.1		234.78	2,121	10	17	1.96	11.1		2,633.87	4	83	31.73	67
	1922	1,436.54	12,225	53	19	2.26	11.7		320.49	2,915	13	21	2.32	10.9		2,581.59	4	82	31.48	70
	1923	1,677.29	.....	63	.....	2.20	.....		385.28	.....	14	.....	2.29	.....		3,149.36	5	84	37.49	82
Victoria Harbour—																				
	1915	105.79	.....	56	.....	.....	.....	Flat	117.85	.....	34	.....	.....	.....	Flat	.....	.....	.....	.....	90
	1916	642.29	.....	65	.....	.....	.....		1,171.37	.....	31	.....	.....	.....		.....	.....	.....	.....	96
	1917	666.04	9,230	69	11	80	7.2		1,130.48	11,721	38	26	2.48	9.6		.....	.....	.....	.....	107
	1918	735.97	12,403	71	15	86	5.9		1,069.34	13,830	27	42	3.30	7.7		.....	.....	.....	.....	98
	1919	931.86	15,485	78	16	98	6.0		1,299.03	17,292	33	44	3.28	7.5		.....	.....	.....	.....	111
	1920	1,222.63	26,137	89	26	1.21	4.9		1,470.72	23,053	39	53	3.40	6.3		.....	.....	.....	.....	128
	1921	1,593.60	29,255	97	25	1.37	5.4		1,607.34	32,090	36	74	3.72	5.0		.....	.....	.....	.....	133
	1922	1,943.27	26,107	116	28	1.52	5.4		1,769.22	18,860	40	41	3.88	9.4		.....	.....	.....	.....	156
	1923	2,103.49	34,126	127	22	1.37	6.1		1,434.96	22,761	38	49	3.14	6.3	.....	.....	.....	.....	.....	.....
Walkerville—																				
	1914	3,037.96	.....	790	.....	.....	.....	15—5	1,492.84	.....	175	.....	.....	.....	15-10-5	6,042.11	75	.....	.....	1,040
	1915	13,036.98	241,771	1,159	21	1.12	5.4		7,836.93	157,198	195	70	3.49	4.4		39,523.81	72	.....	.....	1,421
	1916	18,813.06	391,629	1,513	27	1.34	4.8		12,104.72	309,727	216	126	4.61	3.9		77,003.07	75	.....	.....	1,804
	1917	23,683.25	483,770	1,883	24	1.16	4.9		15,350.67	358,594	225	136	5.81	4.3		80,075.42	71	2,408	33.25	2,179
	1918	27,570.83	532,075	1,970	23	1.16	5.2		16,116.67	372,896	230	137	5.90	4.3		101,125.84	67	2,727	37.08	2,267

1919	34,159.82	638,269	2,347	23	1.21	5.3		18,045.74	471,895	265	150	5.76	3.8		84,601.16	73	2,676	31.60	2,685
1920	40,884.48	1,432,929	2,904	45	1.29	.....		22,432.85	618,709	336	171	6.23	3.6		109,892.78	78	3,963	27.80	3,318
1921	58,792.95	1,824,842	3,171	48	2.54	3.2		21,605.39	569,628	398	120	4.52	3.8		117,511.33	81	4,217	27.87	3,650
1922	60,340.85	2,266,468	1,486	.....	.....	.....		19,991.66	583,237	241	.....	.....	.....		135,181.47	77	4,534	.....	1,804
1923	52,043.44	2,522,255	1,796	117	2.41	2.1		21,187.15	767,562	246	260	7.51	2.7		147,323.71	72	4,918	29.95	2,114
Wallaceburg—																			
1915	4,079.74	56,482	368	.....	.....	7.2	11	4,239.30	63,747	161	.....	.....	6.6	10	87.32	2	.....	.....	531
1916	5,095.45	68,988	438	15	1.05	7.4		4,589.30	67,718	154	22	1.48	6.8		5,866.32	5	.....	.....	593
1917	6,077.20	84,311	493	15	1.09	7.2		4,259.72	92,718	157	49	2.29	4.6		13,218.75	16	415	31.85	662
1918	6,596.51	97,575	527	15	1.04	6.8		3,895.96	66,589	169	33	1.75	5.9		17,475.36	18	504	34.67	714
1919	8,825.29	134,986	603	19	1.22	6.5		5,366.66	190,152	174	91	2.57	2.8		25,597.73	28	732	34.97	805
1920	11,021.73	188,628	621	26	1.50	5.8		7,115.48	234,535	179	110	3.35	3.0		32,236.49	26	958	33.35	826
1921	11,703.39	235,752	715	28	1.36	5.0		7,363.40	164,547	193	71	3.18	4.5		26,193.45	36	910	28.78	944
1922	12,308.24	278,039	737	32	1.42	4.4		6,886.10	155,371	181	69	3.07	4.4		33,165.71	31	1,149	28.86	949
1923	12,875.61	351,084	812	46	1.33	3.6		6,599.17	170,844	174	82	3.16	3.9		37,826.89	29	1,276	29.64	.....
Waterdown—																			
1912	774.40	.....	41	.....	.....	.....	None	340.00	.....	20	.....	.....	.....	None	614.42	2	.....	.....	63
1913	1,003.09	.....	70	.....	.....	.....		361.20	.....	34	.....	.....	.....		917.65	2	.....	.....	106
1914	1,054.13	13,360	71	16	1.25	7.9		535.83	8,321	34	20	1.31	6.5		1,011.38	5	.....	.....	110
1915	1,202.41	18,017	84	19	1.30	6.7		567.65	8,493	30	23	1.48	6.7		1,207.80	7	.....	.....	121
1916	1,218.86	18,622	93	18	1.15	6.5		575.10	8,944	32	24	1.55	6.4		1,149.78	6	.....	.....	131
1917	1,317.48	18,025	101	15	1.13	7.3		529.70	7,887	31	21	1.43	6.7		1,232.89	4	85	14.50	136
1918	1,450.47	26,308	105	21	1.15	5.5		529.53	9,768	33	25	1.34	5.4		1,163.48	4	82	14.19	142
1919	1,828.47	24,000	127	16	1.20	7.6		595.30	.....	33	.....	.....	.....		1,401.58	3	67	20.92	163
1920	2,167.44	30,150	134	19	1.38	7.1		609.00	7,750	31	20	1.59	8.0		1,487.72	3	80	18.60	168
1921	2,353.26	47,413	154	26	1.24	5.0		664.53	15,236	36	35	1.54	4.4		1,137.87	4	77	14.78	194
1922	2,488.49	61,548	148	34	1.37	4.0		613.00	21,458	31	60	1.65	2.8		1,075.13	3	74	14.53	182
1923	2,585.03	59,867	170	29	1.27	4.1		657.78	16,050	33	40	1.68	4.0		1,329.07	4	78	17.03	207
Waterford—																			
1915	685.22	.....	75	.....	.....	.....	10	546.08	.....	40	.....	.....	.....	10	.....	.....	.....	.....	115
1916	1,112.28	14,220	99	14	1.08	7.8		796.50	9,827	42	20	1.62	8.1		1,007.74	2	.....	.....	143
1917	1,369.35	17,445	100	15	1.14	7.8		807.28	11,938	42	24	1.21	6.8		4,030.85	1	85	47.54	143
1918	1,501.34	19,613	122	13	1.03	7.7		831.42	13,075	46	25	1.51	6.4		3,687.15	2	85	43.38	170
1919	1,874.15	37,321	149	21	1.05	5.0		1,003.75	20,737	47	37	1.78	4.8		3,921.69	3	105	37.34	199
1920	2,503.53	39,489	171	21	1.30	6.0		977.72	25,277	50	44	1.70	3.9		3,345.94	5	105	31.60	226
1921	2,957.14	68,585	203	28	1.21	4.3		1,135.31	25,104	49	43	1.93	4.5		2,493.18	7	83	30.04	259
1922	3,190.10	77,886	229	25	1.04	4.1		1,162.48	29,815	55	45	1.76	3.8		3,678.35	9	91	.....	293
1923	3,632.90	102,660	260	32	1.16	3.5		1,151.97	35,664	53	56	1.81	3.2		4,302.25	11	148	29.06	324

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Waterloo—																			
1912	4,057.46	.....	239	.....	.....	.....	12+25	4,524.93	.....	112	.....	.....	.....	12+25	11,545 93	35	.....	.....	386
1913	4,263.66	69,576	321	21	1.27	6.1		5,098.42	87,718	125	62	3.58	5.8		14,970.14	44	.....	.....	490
1914	4,723.94	85,199	430	19	1.05	5.5		4,825.22	98,924	153	59	2.90	5.0		13,282.14	51	.....	.....	634
1915	5,401.82	106,570	524	19	94	5.1		5,284.87	107,821	162	57	2.80	4.9		15,125.32	53	.....	.....	739
1916	5,454.60	145,196	592	22	81	3.8		4,750.09	130,418	150	69	2.54	3.6		17,905.45	50	.....	.....	792
1917	6,562.98	195,770	694	25	85	3.4		5,097.38	144,543	155	55	2.79	3.5		18,773.17	59	1,017	18.46	908
1918	7,157.81	232,962	735	26	81	3.1		4,738.43	132,621	155	71	2.55	3.6		20,613.60	50	1,186	17.38	940
1919	8,771.46	305,803	830	31	88	2.9		5,347.03	176,953	161	92	2.78	3.0		23,399.07	66	1,274	18.37	1,057
1920	11,943.47	512,612	995	47	1.09	2.3		5,488.04	234,843	169	118	2.77	2.3		27,011.12	68	1,451	18.60	1,232
1921	14,931.02	653,123	1,091	50	1.14	2.3		7,125.48	298,664	172	145	3.45	2.4		26,882.41	68	1,455	18.47	1,331
1922	19,267.15	990,570	1,200	72	1.40	1.9		8,090.25	335,694	178	160	3.80	2.4		33,108.68	52	1,507	21.97	1,430
1923	24,528.74	1,693,394	1,275	110	1.60	1.4		9,101.69	412,138	185	190	4.09	2.2		41,540.47	72	1,737	23.91	1,532
Watford—																			
1918	1,544.91	20,173	108	16	1.20	7.6	Flat	1,324.56	18,173	70	21	1.57	7.2	10+25	1,542.04	4	64	24.09	182
1919	1,905.65	23,042	118	16	1.34	8.3		1,779.86	16,293	60	23	2.47	10.9		2,154.95	5	63	34.20	183
1920	2,332.72	26,686	136	18	1.53	.....		2,160.32	20,679	70	27	2.76	10.5		2,305.80	7	80	29.00	213
1921	2,873.44	30,714	154	17	1.55	9.3		2,620.52	29,233	76	32	2.87	9.0		2,808.30	8	85	33.04	238
1922	3,118.16	36,865	201	18	1.47	8.5		2,880.90	30,769	76	34	3.16	9.4		3,227.88	9	97	33.27	286
1923	3,740.23	59,745	215	23	1.44	6.2		2,856.12	29,326	73	33	3.26	9.7		2,727.08	8	82	33.25	296
Waubaushene—																			
1915	516.34	7,296	49	.....	.....	7.0	None	220.50	2,979	15	.....	.....	7.7	None	32.28	1	.....	.....	65
1916	646.58	8,233	58	13	1.01	7.9		496.47	7,534	20	36	2.37	6.6		49.52	1	.....	.....	79
1917	691.56	8,602	64	11	94	8.0		455.62	8,588	17	40	2.23	5.3		36.85	1	3	.....	82
1918	702.19	10,124	64	13	91	6.9		494.76	10,988	16	57	2.58	4.5		21.49	1	.....	.....	81
1919	735.40	11,457	66	14	93	6.7		266.34	4,951	17	24	1.31	5.4		41.10	2	.....	.....	85

1920	1,050.26	13,959	71	17	1.28	7.5		478.46	7,344	18	28	2.49	6.4		70.49	1	5	14.10	94
1921	1,324.12	14,023	69	17	1.60	9.4		640.36	7,479	16	39	3.34	8.5		112.73	3	10	.....	88
1922	1,368.50	18,011	70	22	1.63	7.6		557.83	9,035	17	47	2.91	6.2		167.97	3	19	.....	90
1923	1,315.55	19,717	90	18	1.21	6.6		483.29	8,190	19	35	2.11	5.9		270.17	4	25	10.80	113
Wardsville—																			
1922	794.73	5,541	41	11	1.62	14.3		382.33	3,052	15	17	2.12	12.5		.....	.....	.....	.....	56
1923	803.19	5,346	43	10	1.55	15.0		418.46	3,699	16	19	2.17	11.3		.....	.....	.....	.....	59
Wellesley—																			
1917	642.52	7,181	68	9	79	9.0	None	353.33	3,393	28	10	1.05	10.4	None	2,784.78	3	82	33.96	99
1918	677.43	8,028	65	10	87	8.4		415.73	7,198	25	24	1.38	5.8		4,351.11	3	120	36.26	93
1919	747.84	9,710	69	12	90	7.7		524.60	12,542	27	39	1.62	4.2		4,253.22	3	119	35.74	99
1920	857.83	11,307	76	12	98	7.6		524.94	11,270	30	31	1.45	4.7		4,180.31	3	18	35.40	109
1921	1,065.38	14,638	82	15	1.08	7.3		568.02	7,893	30	22	1.58	7.2		4,003.07	4	117	34.21	116
1922	1,218.98	19,222	88	19	1.20	6.3		626.02	14,624	35	38	1.63	4.3		4,332.93	5	119	36.41	128
1923	1,363.47	24,229	91	22	1.24	6.0		820.60	17,561	33	44	2.07	4.6		4,790.83	3	124	38.63	127
Welland—																			
1913	1,369.67	.....	408	.....	.....	.....	8+25	558.46	.....	53	.....	.....	.....	8+25	4,307.21	18	.....	.....	479
1914	4,411.20	117,328	492	22	82	3.7		1,676.38	64,449	53	100	2.64	2.6		8,305.71	23	.....	.....	568
1915	4,643.16	154,534	467	27	81	3.0		1,600.79	69,340	57	105	2.42	2.3		38,541.88	23	.....	.....	547
1916	4,800.06	154,706	536	26	79	3.1		1,580.48	94,582	75	141	2.40	1.7		78,184.81	24	.....	.....	635
1917	5,584.56	243,723	593	36	82	2.3		2,034.85	156,083	94	155	2.02	1.3		96,449.82	23	5,985	16.12	710
1918	7,662.93	316,947	767	38	93	2.4		2,593.74	218,721	120	170	2.02	1.1		93,972.63	28	.....	.....	.....
1919	11,262.98	642,963	985	54	95	1.7		3,678.46	329,736	145	190	2.11	1.1		60,784.43	33	2,282	.....	1,163
1920	14,065.49	895,770	1,092	72	1.12	1.6		5,126.13	350,096	172	183	2.69	1.4		55,825.21	34	4,284	.....	1,298
1921	18,307.67	1,291,322	1,324	81	1.15	1.4		5,955.83	444,103	211	175	2.35	1.3		43,112.95	44	4,192	10.28	1,579
1922	21,657.48	1,542,357	1,325	97	1.36	1.4		5,827.96	469,884	213	185	2.29	1.2		42,586.24	51	3,285	12.66	1,589
1923	26,285.40	1,696,274	1,440	98	1.52	1.5		7,698.72	471,395	259	151	2.47	1.6		31,693.68	56	1,583	20.02	.....
Wellington—																			
1920	1,737.62	17,084	125	11	1.15	10.1	Flat	1,362.42	17,012	43	33	2.61	8.0	Flat	1,503.26	3	51	29.48	.....
1921	2,611.66	34,813	166	17	1.27	7.5		1,199.05	15,195	46	27	2.10	7.8		1,736.95	1	56	.....	.....
1922	3,092.49	40,654	176	20	1.51	7.6		1,340.74	17,102	53	29	2.23	7.8		1,842.93	5	58	31.77	234
1923	3,089.36	50,118	190	21	1.35	6.1		1,948.27	28,567	42	56	3.86	6.8		2,300.79	5	70	32.00	237
West Lorne—																			
1917	578.98	.....	54	.....	.....	.....	Flat	602.00	.....	40	.....	.....	.....	Flat	.....	.....	.....	.....	94
1918	759.87	6,884	66	9	96	11.0		649.68	7,917	44	15	1.23	8.2		59.38	1	.....	.....	111
1919	991.90	.....	66	.....	.....	.....		873.46	.....	44	.....	.....	.....		360.44	1	8	45.05	111
1920	1,286.61	.....	.....	.....	.....	.....		1,253.45	.....	.....	.....	.....	.....		4,838.27	.....	.....	.....	.....
1921	1,630.54	21,954	110	17	1.23	7.5		1,356.84	21,503	54	33	2.09	6.3		6,008.65	3	157	38.27	167
1922	1,707.26	.....	.....	.....	.....	.....		1,469.24	.....	.....	.....	.....	.....		6,413.57	.....	.....	.....	.....
1923	1,828.90	26,729	143	15	1.06	6.8		1,662.45	27,165	55	41	2.25	6.1		7,192.16	3	207	32.86	.....

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Weston—																			
1912	3,979.81	.....	225	.....	.....	.....	7.2+	750.00	.....	15	.....	.....	.....	7.2+	1,674.28	4	.....	.....	344
1913	4,117.20	.....	360	.....	.....	.....	22.5	1,475.74	.....	35	.....	.....	.....	22.5	6,166.97	6	.....	.....	400
1914	3,741.84	79,766	352	17	80	4.7		1,599.97	26,774	78	40	2.38	6.0		4,958.59	10	.....	.....	440
1915	4,407.36	96,186	441	21	93	4.6		1,305.90	27,564	90	27	1.30	4.7		4,798.33	9	.....	.....	540
1916	5,477.65	135,272	475	25	1.00	.....		1,407.31	31,898	88	30	1.13	.....		5,202.84	11	.....	.....	574
1917	5,942.00	155,303	542	24	97	3.8		1,467.63	35,800	83	35	1.44	4.1		16,420.90	12	850	19.32	637
1918	6,288.15	.....	.....	.....	.....	.....		1,403.92	.....	.....	.....	.....	.....		19,578.73	11	882	22.19	.....
1919	7,453.63	310,258	667	39	93	2.4		1,819.82	65,319	108	50	1.40	2.8		20,861.85	17	936	22.29	792
1920	9,047.65	363,877	745	42	1.06	2.2		2,125.38	36,279	104	.....	.....	.....		25,110.01	13	927	27.00	862
1921	10,086.61	626,817	1,030	51	82	1.6		2,183.96	76,122	120	53	1.51	2.9		19,057.66	14	999	19.08	1,164
1922	14,808.44	724,340	1,150	55	1.13	2.0		2,484.85	95,766	130	64	1.66	2.6		27,737.15	16	1,276	21.72	1,296
1923	21,369.90	1,104,178	1,048	87	1.70	1.9		3,375.89	135,817	135	83	2.08	2.4		36,552.82	17	1,593	22.94	1,200
Williamsburg—																			
1915	403.72	.....	44	.....	.....	.....	None	139.26	.....	9	.....	.....	.....	None	.....	1	.....	.....	54
1916	568.66	7,392	41	14	1.11	7.7		224.29	3,934	9	36	2.08	5.7		285.73	1	.....	.....	51
1917	551.07	7,003	42	16	1.09	7.9		280.09	3,347	10	30	2.33	8.4		256.38	1	9	28.48	53
1918	547.71	6,798	44	13	1.04	8.1		313.21	3,915	11	30	2.37	8.0		205.51	1	15	13.70	56
1919	785.76	7,334	42	15	1.49	10.0		312.45	5,981	14	36	1.86	5.2		334.03	2	18	18.50	58
1920	759.05	7,842	41	16	1.54	9.7		253.05	4,506	7	41	1.75	5.5		317.42	2	22	14.40	50
1921	926.67	.....	47	.....	.....	.....		439.04	.....	12	.....	3.05	.....		230.38	1	9	25.60	70
1922	1,391.67	9,985	46	.....	.....	.....		241.37	5,674	14	.....	.....	.....		257.92	1	14	18.42	61
1923	893.22	11,636	45	21	1.65	7.6		530.32	2,234	16	11	2.81	2.3		217.32	1	16	13.58	.....

Winchester—																				
1914	1,672.09	.....	103	.....	.....	.....	15	1,300.00	.....	50	.....	.....	.....		.....	.....	.....	.....	153
1915	1,698.40	28,610	120	21	1.27	5.9		1,336.85	17,550	30	50	2.23	7.6	15	.....	1	.....	.....	171
1916	1,812.29	36,931	135	24	1.18	5.4		1,364.47	21,999	46	38	2.37	6.2		227.52	1	.....	.....	182
1917	2,330.67	36,311	162	20	1.31	6.4		1,546.53	17,564	47	31	2.58	8.8		438.22	1	20	21.91	210
1918	2,595.85	44,875	174	21	1.24	5.8		1,493.85	20,577	47	36	2.65	7.3		382.03	1	20	19.10	222
1919	3,086.06	62,282	182	29	1.41	4.9		1,690.89	26,445	47	47	2.98	6.4		444.94	2	25	17.79	231
1920	3,808.56	83,871	192	36	1.61	4.5		2,242.15	38,060	47	66	4.00	5.8		569.08	2	25	14.23	241
1921	4,987.06	80,842	212	32	1.96	6.2		2,925.86	29,833	49	51	4.97	9.8		595.07	2	25	23.80	263
1922	5,754.06	77,677	230	29	2.17	7.4		2,731.95	31,810	52	53	4.55	8.6		698.10	2	25	27.92	284
1923	6,124.53	89,708	253	29	2.01	6.8		2,558.82	33,050	58	61	3.67	7.7		829.65	2	25	33.18	313
Windsor—																				
1914	3,143.41	.....	1,802	.....	.....	.....	12	1,107.38	.....	257	.....	.....	.....	8	9.77	10	.....	.....	2,069
1915	23,161.57	468,386	2,519	18	89	4.9		12,009.99	309,757	377	82	3.16	3.9		3,734.81	43	.....	.....	2,939
1916	35,565.79	726,442	3,180	21	1.04	4.9		16,831.60	465,683	439	95	3.44	3.6		7,370.82	66	.....	.....	3,685
1917	48,913.80	1,087,029	3,882	26	1.15	4.5		21,257.15	590,977	471	108	3.89	3.6		15,362.93	97	807	19.04	4,450
1918	60,080.51	1,422,096	4,415	27	1.13	4.2		21,751.80	626,579	484	108	3.75	3.5		27,574.13	101	1,205	22.88	5,000
1919	78,038.66	1,990,644	5,383	31	1.21	3.9		27,032.01	893,920	584	128	3.86	3.0		39,468.90	136	1,609	24.53	6,103
1920	144,209.01	4,496,116	8,700	53	1.71	3.2		75,244.64	2,340,661	1,220	216	7.20	3.2		156,928.21	273	5,549	28.28	10,193
1921	181,822.04	6,000,528	9,731	51	1.56	3.0		99,612.26	3,235,758	1,448	186	5.73	3.1		146,724.93	341	6,169	23.78	11,520
1922	210,050.86	8,197,159	10,450	68	1.73	2.6		103,421.01	3,799,633	1,472	217	5.90	2.7		199,445.92	321	6,958	28.64	12,243
1923	358,709.20	13,627,976	12,021	94	2.48	2.6		123,631.38	5,229,797	1,441	303	7.14	2.3		227,595.34	311	7,342	30.99	13,773
Wingham—																				
1922	7,072.58	87,067	384	19	1.53	8.1		7,648.64	70,902	156	38	4.09	10.8		11,044.78	20	368	30.01	560
1923	8,068.34	132,612	410	26	1.63	6.0		7,663.32	107,274	156	57	4.09	7.1		11,951.79	23	413	28.93	589
Woodbridge—																				
1915	367.49	4,878	42	.....	.....	7.5	None	443.53	4,911	33	.....	.....	9.0	None	498.44	2	.....	.....	77
1916	507.10	7,059	58	13	89	7.0		556.82	7,048	33	17	1.40	7.9		2,221.33	7	.....	.....	98
1917	698.53	10,180	69	14	92	6.9		579.56	13,356	35	33	1.42	4.3		2,384.67	6	74	32.25	110
1918	809.54	12,013	74	13	91	6.7		590.37	10,263	34	25	1.45	5.8		2,620.39	9	92	28.48	117
1919	905.44	14,424	85	14	89	6.3		628.07	11,951	40	25	1.31	5.2		4,167.78	5	129	32.31	130
1920	1,053.78	21,867	98	20	95	5.0		672.50	14,602	40	30	1.40	4.6		5,716.29	5	155	36.88	143
1921	1,296.84	28,925	115	21	94	4.5		748.34	18,654	36	43	1.73	4.0		3,411.24	5	149	22.89	156
1922	1,538.54	33,060	137	22	1.02	4.6		854.75	19,044	42	41	1.83	4.5		3,945.84	5	164	24.06	184
1923	1,992.80	47,979	151	26	1.16	4.1		1,083.35	33,370	49	56	1.84	3.2		4,417.52	6	176	25.09	206

STATEMENT "D"—Concluded

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1923. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light							Power				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.	kw-hrs.		kw-hr	$ c.	cents	cents	$ c.			$ c.	
Woodstock—																			
1912	4,914.92	.....	464	.....	.....	.....	8+20	13,316.02	.....	265	.....	.....	.....	8+20	21,087.61	43	.....	.....	772
1913	6,495.02	100,000	636	17	1.08	6.5		12,942.32	298,000	282	77	3.95	5.2		20,262.52	55	.....	.....	973
1914	8,807.40	169,054	949	21	1.08	5.2		11,610.14	289,982	337	78	2.12	4.0		19,833.26	57	.....	.....	1,343
1915	10,472.14	230,297	1,099	20	88	4.5		11,718.95	371,787	360	90	2.80	3.1		20,742.18	62	.....	.....	1,521
1916	11,206.71	288,201	1,224	21	80	3.9		12,983.32	503,977	372	114	2.95	2.6		23,721.92	72	.....	.....	1,668
1917	12,216.48	341,160	1,363	22	79	3.6		12,573.08	554,660	387	122	2.76	2.3		23,191.47	66	2,130	.....	1,816
1918	13,901.00	423,453	1,418	25	82	3.3		11,087.25	480,092	369	108	2.50	2.3		24,020.63	68	1,427	16.83	1,855
1919	14,748.02	480,235	1,631	26	75	3.1		12,452.68	567,513	388	128	2.34	2.1		24,473.54	74	1,420	17.23	2,093
1920	22,542.71	923,186	1,850	44	1.08	2.4		14,832.22	720,766	400	153	3.14	2.1		27,048.49	77	1,682	16.08	2,237
1921	25,130.13	1,045,124	2,060	42	1.02	2.4		15,988.83	880,382	409	179	3.26	1.8		28,355.47	76	2,557	11.09	2,545
1922	32,422.51	1,619,099	2,209	63	1.27	2.0		19,033.09	970,453	423	194	3.81	2.0		30,539.85	79	1,976	15.46	2,711
1923	40,323.84	2,416,063	2,314	87	1.66	1.6		20,615.27	1,100,550	421	217	4.08	1.9		40,292.53	84	1,983	20.31	2,819
Woodville—																			
1915	324.34	.....	35	.....	.....	.....	12.5	563.68	.....	28	.....	.....	.....	12.5	1,149.17	3	.....	.....	66
1916	496.52	5,049	41	9	92	9.8		512.07	6,618	24	21	1.62	7.7		1,185.54	3	.....	.....	68
1917	689.70	7,741	51	14	1.25	8.9		591.94	8,512	23	31	2.15	7.0		1,072.28	3	50	21.45	77
1918	722.80	7,373	50	12	1.20	9.8		535.67	6,920	26	26	1.55	7.7		1,152.77	3	50	23.06	79
1919	847.09	10,067	58	15	1.22	8.4		637.49	9,434	27	29	1.97	6.7		1,218.70	3	50	24.36	88
1920	1,423.96	14,060	80	17	1.72	10.1		1,122.12	11,569	25	.....	.....	.....		1,296.75	3	50	.....	.....
1921	2,195.02	20,723	84	21	2.18	10.6		1,330.14	11,580	28	35	3.96	11.5		1,846.69	3	50	36.93	115
1922	2,079.40	20,585	87	20	2.04	10.1		1,341.09	13,940	29	41	3.99	9.6		1,470.02	3	50	29 40	119
1923	2,068.96	27,029	90	25	1.91	7.6		1,346.33	10,579	29	30	3.86	12.7		1,855.48	3	56	33.15	122

Wyoming—																			
1917	658.99	9,309	56	12	98	7.1	None	581.47	8,065	34	20	1.43	7.1	None	.....	.....	.....	.....	90
1918	718.62	10,125	57	15	1.06	7.0		593.40	8,273	32	20	1.49	7.1		.....	.....	.....	.....	89
1919	777.48	10,951	68	13	95	7.3		637.26	7,541	33	19	1.61	8.4		73.10	1	.....	.....	102
1920	1,116.01	29,500	100	29	1.10	3.8		953.51	10,000	20	31	2.91	9.5		665.29	2	22	30.25	122
1921	1,550.65	16,511	86	16	1.50	.....		1,226.83	13,928	39	30	2.62	8.8		747.17	4	36	20.75	129
1922	1,696.84	16,139	94	15	1.57	10.5		1,218.89	192.45	39	41	2.61	6.3		628.67	2	26	24.20	135
1923	1,787.90	32,588	97	27	1.53	5.4		1,164.22	19,357	41	39	2.38	6.0		372.61	2	14	26.62	140
Zurich—																			
1918	810.66	5,785	49	8	1.17	14.0	Flat	873.86	5,623	33	12	1.89	15.5	Flat	3,084.22	1	50	61.68	83
1919	878.22	7,441	52	12	1.41	11.8		766.98	5,546	36	13	1.78	13.8		2,710.24	2	53	51.14	90
1920	881.70	8,503	55	13	1.36	10.4		991.52	7,701	39	24	3.18	12.9		2,773.80	2	59	47.00	96
1921	954.55	9,612	59	14	1.35	9.9		1,009.12	9,847	39	21	2.16	10.2		2,343.29	2	54	43.39	100
1922	1,062.95	11,802	65	16	1.43	9.0		1,132.66	11,282	42	24	2.36	10.0		2,172.10	3	57	38.11	110
1923	1,327.15	15,640	75	17	1.49	8.4		1,125.33	13,504	43	26	2.18	8.3		2,123.87	4	58	36.62	122

STATEMENT "E"

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Acton	1,742	104	80 c.p. *s*	12.00	2,058.45	1.18
		60	100 watt *m*	12.00		
		2	200 " *m*	12.00		
Ailsa Craig	547	52	100 " *m*	12.00	624.00	1.14
Agincourt		25	100 " *m*	18.00	450.00	**
Alexandria	2,319	130	100 " *m*	27.00	3,250.00	1.40
Alliston	1,321	97	100 " *s*	18.00	1,998.00	1.51
		13	100 " *m*	18.00		
Alvinston	659	82	100 " *m*	26.00	1,918.92	2.09
Ancaster Twp		72	100 " *m*	12.00	864.00	**
Apple Hill		23	100 " *m*	30.00	690.00	**
Arthur	1,222	75	100 " *m*	25.00	1,866.76	1.53
Aylmer	2,251	139	100 " *m*	16.00	2,620.00	1.16
		12	300 " *m*	33.00		
Ayr	817	78	100 " *m*	14.00	1,102.50	1.35
Baden		61	100 " *m*	10.00	610.00	**
Barrie	6,888	511	100 " *s*	8.00	3,995.27	0.58
Beachville		42	100 " *m*	11.00	495.00	**
Beaverton	986	81	100 " *m*	14.00	1,088.34	1.10
Beeton	586	62	100 " *s*	16.00	992.00	1.69
Belle River	580	60	100 " *m*	25.00	1,500.00	2.60
Blenheim	1,580	139	150 " *s*	15.00	2,527.00	1.60
		13	400 " *s*	34.00		
Bloomfield	512	42	100 " *s*	25.00	1,050.00	2.05
Bolton	658	60	100 " *m*	16.00	960.00	1.46
Bothwell	613	77	100 " *m*	13.00	1,007.39	1.64
Bradford	1,028	60	100 " *s*	22.00	1,474.20	1.43
		7	100 " *m*	21.00		
Brampton	4,407	597	100 " *m*	7.00	4,178.67	0.95
Brantford	31,362	147	Mag. arcs *s*	45.00	31,241.70	0.99
		3,440	100 watt *m*	8.00		
		10	150 " *m*	9.00		
		11	200 " *m*	11.00		
		2	500 " *m*	45.00		

s Series system. *m* Multiple system. **Population not shown in Government statistics.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Brantford Twp.		233	100 watt *m*	16.00	3,534.32	**
Brechin		10	100 " *m*	22.00	224.43	**
Brigden		30	60 " *m*	15.00	976.66	**
		25	100 " *m*	18.00		
Brockville	9,377	506	100 " *s*	19.00	13,553.00	1.45
		32	3 Lt. stds. *m*	35.00		
		51	5 " *m*	45.00		
		15	1 "	25.00		
Burford		64	100 watt *m*	15.00	960 00	**
Burgessville		21	100 " *m*	16.00	336.00	**
Caledonia	1,335	110	100 " *m*	9.00	1,024.20	0.77
Cannington	951	71	100 " *m*	18.00	1,257.00	1.32
Carleton Place	4,123	232	60 " *m*	8.00	1,849.34	0.45
Chatham	15,084	68	500 " *s*	42.00	14,621.35	0.97
		37	100 " *s*	14.00		
		83	400 " *s*	34.00		
		694	100 " *s*	15.00		
		7	400 " *s*	34.00		
Chatsworth	287	26	150 " *m*	25.50	697.00	2.43
		2	100 " *m*	17.00		
Chesley	1,803	108	150 " *s*	15.00	1,686.28	0.93
Chesterville	941	65	100 " *m*	17.00	1,105.00	1.17
Chippawa	1,029	75	100 " *m*	14.00	1,135.50	1.10
Clinton	1,941	143	100 " *s*	12.00	1,835.41	0.94
		11	100 " *m*	12.00		
		1	500 " *m*	75.00		
Coldwater	647	45	100 " *m*	12.00	540.00	0.83
Collingwood	6,237	412	100 " *s*	9.00	3,881.08	0.62
Comber		50	100 " *m*	15.00	806.25	**
Cookstown		56	100 " *s*	20.00	1,120.00	**
Creemore	540	55	100 " *m*	14.00	610.96	1.13
Dashwood		41	100 " *m*	15.00	620.00	**
Delaware		21	100 " *m*	18.00	378.00	**
Dorchester		32	100 " *m*	13.00	416.00	**
Drayton	618	60	100 " *m*	18.00	1,080.00	1.74

s Series system. *m* Multiple system. **Population not shown in Government statistics.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Dresden	1,456	123	80 watt *s*	14.00	1,690.50	1.16
Drumbo	.....	37	100 " *m*	14.00	504.00	**
Dublin	.....	36	100 " *m*	20.00	720.00	**
Dundalk	725	72	100 " *m*	12.00	864.00	1.19
Dundas	5,100	346 1 3	100 " *m* 200 " *m* 40 " *m*	11.00 16.00 10.80	3,806.60	0.75
Dunnville	3,583	202 27	100 c.p. *s* 600 " *s*	14.00 65.00	4,617.53	1.29
Durham	1,622	99	100 watt *s*	16.00	1,443.82	0.89
Dutton	845	101	100 " *m*	11.00	1,128.69	1.34
Elmira	2,370	182	100 " *m*	12.00	2,081.00	0.88
Elmvale	.....	57	100 " *m*	14.00	770.00	**
Elmwood	.....	23	150 " *m*	20.00	485.00	**
Elora	1,091	93	100 " *m*	14.00	1,302.25	1.19
Embro	463	46	100 " *m*	18.00	819.43	1.77
Etobicoke Twp.	.....	529	100 " *m*	14.00	6,196.56	**
Exeter	1,507	161 23	100 " *m* 200 " *m*	10.00 20.00	2,049.94	1.36
Fergus	1,762	26 141	150 watt *m* 100 " *m*	14.00 14.00	2,002.25	1.14
Flesherton	410	46	100 " *m*	14.00	736.00	1.79
Ford City	5,113	143	100 " *m*	12.00	1,725.33	††
Forest	1,422	51 164	100 " *m* 60 " *m*	12.00 10.00	2,317.06	1.63
Galt	13,332	968 308 8 152 73	75 c.p. *s* 100 watt *m* 150 " *m* 300 " *m* 500 " *m*	8.00 12.00 18.00 35.00 40.00	19,872.00	1.49
Georgetown	2,098	166 11	100 " *m* 100 " *m*	12.00 12.00	2,122.00	†
Glencoe	835	120	100 " *m*	17.00	2,214.00	2.65
Goderich	4,108	291 16 8 8	80 " *s* 3 Lt. stds. *m* 250 watt *m* 100 " *m*	12.50 40.00 25.00 20.00	4,622.59	1.12
Grand Valley	582	52	100 watt *m*	18.00	938.00	1.59

s Series system. *m* Multiple system. **Population not shown in Government statistics.
†Includes Glen Williams. ††Part of cost paid in Debenture Charges.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Granton		32	100 watt *m*	13.00	416.00	**
Gravenhurst	1,621	24	150 c.p. *s*	15.00	2,058.49	1.27
		99	100 " *s*	15.00		
		15	100 " *m*	15.00		
Guelph	18,027	1	32 c.p. *m*	8.50	11,536.62	0.64
		8	16 " *m*	4.25		
		4	60 watt *m*	4.00		
		1,058	100 " *m*	9.00		
		25	200 " *m*	12.50		
		1	400 " *m*	25.00		
		2	1000 " *m*	46.50		
		82	300 " *m*	18.75		
Hagersville	1,271	100	100 " *m*	8.00	800.00	0.63
Hamilton	118,243	7,765	100 " *m*	7.50	83,195.22	0.70
		775	200 " *m*	11.00		
		150	250 " *m*	12.00		
		410	500 " *m*	37.00		
		15	300 " *m*	18.00		
		26	40 " *m*	Various		
		5	60 " *m*	Special		
		40	100 " *m*	12.00		
Hanover	2,695	114	100 c.p. *s*	20.00	2,991.84	1.11
		14	250 " *s*	28.00		
		12	200 watt *m*	28.00		
Harriston	1,311	66	100 " *s*	17.00	1,037.00	0.79
Havelock	1,258	63	100 " *s*	27.00	2,325.00	1.85
		16	250 " *s*	39.00		
Hensall	738	65	100 " *m*	13.00	975.00	1.32
Hespeler	2,853	134	100 " *s*	11.50	1,982.12	0.69
		28	250 " *s*	17.50		
Highgate	417	45	100 " *m*	14.00	630.00	1.51
Holstein		14	100 " *m*	35.00	490.00	**
Huntsville	2,316	46	150 c.p. *s*	14.00	1,898.00	0.82
		23	400 " *s*	30.00		
		53	75 watt *m*	11.00		
Ingersoll	5,253	306	100 c.p. *s*	13.00	5,018.00	0.95
		26	1000 " *s*	40.00		
Kemptville	1,220	63	100 watt *m*	22.00	1,386.00	1.14
Kincardine	2,159	122	100 " *s*	24.00	3,521.00	1.63
		13	200 " *m*	29.00		
		12	100 " *m*	18.00		
Kingston	22,234	266	arcs	60.00	24,878.23	1.12
		96	orn. *s*	75.00		
		99	100 c.p. *m*	20.00		

s Series system. *m* Multiple system. **Population not shown in Government statistics.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Kirkfield	.....	21	100 watt *m*	20.00	414.76	**
Kitchener	22,717	1	600 watt *s*	30.00	20,360.58	0.89
		20	250 c.p. *s*	17.35		
		6	1000 " *m*	36.00		
		2,060	80 c.p. *s*	9.00		
		97	200 watt *m*	12.00		
		19	500 " *m*	30.00		
		52	100 " *s*	9.00		
		95	300 " *m*	22.00		
		23	250 c.p. *m*	17.35		
Lakefield	1,193	92	100 watt *m*	24.00	2,208.00	1.85
Lambeth	.....	1	500 " *m*	47.00	590.95	**
		31	100 " *m*	16.00		
Lanark	575	35	100 " *m*	20.00	726.16	1.26
Lancaster	612	40	100 " *m*	30.00	1,400.00	2.29
Listowel	2,429	60	100 " *m*	12.50	3,642.00	1.50
		176	60 " *m*	12.00		
		27	300 " *m*	30.00		
London	59,784	289	400 " *s*	18.00	37,198.65	0.62
		2,577	100 " *s*	11.00		
		94	500 " *m*	45.00		
		146	100 " *m*	11.00		
Lucan	624	67	100 " *m*	15.00	1,094.33	1.75
Lucknow	887	56	100 " *m*	25.00	1,568.00	1.77
Lynden	.....	33	100 " *m*	14.00	462.00	**
Markdale	908	65	100 " *s*	10.00	896.26	0.98
Markham	970	90	100 " *m*	19.00	1,725.00	1.78
Marmora	792	40	100 " *m*	24.00	1,992.00	2.51
		45	75 " *m*	24.00		
Martintown	.....	15	100 " *m*	25.00	375.00	**
Maxville	785	53	100 " *s*	35.00	1,798.83	2.29
Merlin	.....	35	100 " *m*	19.50	658.13	*
Merritton	2,589	278	100 " *m*	8.00	2,234.00	0.86
Midland	7,022	19	750 " *m*	35.00	3,910.00	0.56
		336	100 " *s*	10.00		
Milton	1,900	183	100 " *m*	10.00	1,833.32	0.96
Milverton	1,054	85	100 " *m*	9.00	1,054.00	1.00
		12	200 " *m*	17.00		

s Series system.
m Multiple system.

*Operation for less than a year.
**Population not shown in Government statistics

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Mimico	4,187	180	100 watt *m*	13.00	3,750.20	0.89
		62	200 " *m*	23.00		
Mitchell	1,699	193	100 " *s*	11.00	2,123.00	1.25
Moorefield		25	100 " *m*	19.00	475.00	**
Mount Brydges		36	100 " *m*	13.00	468.00	**
Mount Forest	1,761	194	100 c.p. *s*	14.00	2,754.14	1.56
Neustadt	445	39	100 watts *s*	25.00	975.00	2.19
Newbury	301	46	100 " *m*	20.00	920.00	3.00
New Hamburg	1,401	220	100 " *m*	11.50	2,640.00	1.88
New Toronto	2,947	59	200 " *m*	27.00	3,918.49	1.33
		176	75 " *m*	15.00		
		15	75 " *m*	18.00		
Niagara Falls	15,895	182	1000 c.p. *s*	57.00	19,190.10	1.21
		743	100 " *s*	12.00		
		10	600 " *s*	57.00		
Niagara-on-the-Lake	1,714	193	100 watt *m*	13.00	2,525 16	1.47
Norwich	1,307	115	100 " *m*	10.50	2,077.25	1.60
		21	400 " *m*	42.00		
Norwood	748	84	100 " *s*	23.00	2.115.50	2.83
		2	50 " *s*	13.50		
Oil Springs	491	43	100 " *m*	16.00	687.96	1.40
Omemee	485	40	100 " *s*	16.00	1,000.00	2.06
		10	250 " *s*	36.00		
Orangeville	2,503	56	250 " *s*	30.00	3,865.40	1.54
		91	100 " *s*	24.00		
Ottawa	112,899	59	arcs	45.00	52,220.22	0.46
		400	100 c.p. *s*	10.00		
		326	400 " *s*	35.00		
		721	600 " *s*	45.00		
		374	100 watt *s*	6.00		
		2,900	100 " *m*	48c. per ft.	16,021.68	***
Otterville		25	100 " *m*	13.00	325.00	**
Owen Sound	12,360	37	150 " *s*	14.50	11,015.75	0.89
		499	100 " *s*	14.00		
		67	200 " *s*	17.00		
		34	400 " *s*	24.00		
		79	100 " *m*	12.00		
		43	200 " *m*	15.00		

s Series system. *m* Multiple system. **Population not shown in Government statistics.
***Collected as local improvement on frontage basis and not included in average cost.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Palmerston	1,780	116	100 watt *s*	13.00	2,035.00	1.14
		8	400 " *s*	40.00		
		2	300 " *m*	40.00		
		1	500 " *m*	55.00		
Paris	4,400	414	100 " *s*	10.50	6,095.25	1.38
		13	400 " *s*	42.00		
		25	500 " *m*	52.50		
Parkhill	1,201	89	100 " *m*	15.00	1,372.09	1.14
Penetang	3,920	179	100 " *s*	10.00	1,850.00	0.47
Perth	3,710	49	100 c.p. *s*	22.00	1,818.62	0.49
		13	250 " *s*	34.00		
		4	400 " *s*	46.00		
		4	600 " *s*	64.00		
Peterboro	21,439	102	Magnetite arcs	50.50	16,197.95	0.76
		1,157	60 watt *m*	9.00		
		20	300 " *m*	27.00		
Petrolia	2,911	142	100 " *s*	15.00	3,375.00	1.16
		24	250 " *s*	50.00		
Picton	3,263	282	100 " *s*	12.50	4,361.71	1.34
Plattsville	.....	32	100 " *m*	18.00	576.00	**
Point Edward	1,150	56	150 c.p. *s*	15.00	878.75	0.76
Port Arthur	15,629	2,783	..... *m*	.....	17,628.93	1.13
Port Colborne	3,123	221	100 watt *m*	14.00	3,045.17	0.97
Port Credit	1,119	102	100 " *m*	11.00	1,122.00	1.00
Port Dalhousie	1,424	103	100 " *m*	15.00	1,442.00	0.92
Port Dover	1,380	12	300 " *m*	45.00	2,644.50	1.91
		96	100 " *m*	23.00		
Port McNicoll	576	40	100 " *m*	13.00	494.00	0.86
Port Perry	1,162	90	100 " *m*	25.00	2,189.00	1.88
Port Stanley	717	140	100 " *m*	13.00	2,036.70	||
		|| 25	100 " *m*	8.70		
Prescott	2,723	161	100 " *m*	13.00	4,508.00	1.65
		210	100 " *m*	12.00		
Preston	5,547	2	400 " *s*	21.00	5,173.24	0.93
		292	100 " *s*	11.00		
		34	500 " *s*	48.00		
		34	750 " *s*	60.00		
Priceville	.....	15	100 " *m*	31.50	472.50	**
Princeton	.....	21	100 " *m*	20.00	420.00	**
Queenston	.....	30	100 " *m*	21.00	630.00	*

s Series system. *m* Multiple system. *Operation for less than a year.
**Population not shown in Government statistics. ||Summer service only.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Ridgetown	2,267	137	100 watt *s*	14.00	2,411.18	1.06
		17	400 " *s*	30.00		
Ripley	.....	49	100 " *m*	27.00	1,300.50	**
Riverside	3,000	73	250 c.p. *s*	22.50	1,080.00	††
Rockwood	.....	66	100 watt *m*	13.50	821.51	**
Rodney	756	81	100 " *m*	13.00	1,061.37	1.40
St. Catharines	20,961	2,844	100 " *m*	7.50	21,110.18	1.01
St. George	.....	35	100 " *m*	10.00	350.00	**
St. Jacobs	.....	40	100 " *m*	12.00	480.00	**
St. Marys	4,039	212	100 c.p. *s*	10.00	4,040.00	1.00
		121	250 " *s*	16.00		
St. Thomas	17,892	28	250 " *s*	14.25	14,595.04	0.82
		114	600 " *s*	37.50		
		1,051	100 " *s*	9.50		
Sarnia	14,905	78	1,000 " *s*	45.00	12,076.58	0.81
		662	150 " *s*	13.00		
Scarboro' Twp.	.....	242	100 watt *m*	16.00	3,600.77	**
		80	100 " *s*	18.00		
Seaforth	1,950	70	80 c.p. *s*	12.00	1,722.00	0.88
		63	60 " *s*	10.00		
		21	60 " *s*	12.00		
Sebringville	.....	15	100 watt *m*	12.00	.....	**
Shelburne	1,101	91	100 " *s*	12.00	1,114.75	1.01
Simcoe	3,951	27	250 " *s*	30.00	3,166.50	0.80
		244	100 " *s*	9.00		
		11	100 " *m*	9.00		
Smiths Falls	6,529	200	100 " *m*	15.00	4,020.84	0.62
		50	200 " *m*	20.00		
Springfield	432	40	100 " *m*	20.00	800.00	1.85
Stamford Twp.	.....	415	100 " *m*	10.00	3,986.66	**
Stayner	1,004	17	200 c.p. *m*	15.00	893.00	0.89
		58	100 watt *s*	11.00		
Stratford	17,611	783	100 " *s*	11.00	17,297.17	0.98
		11	500 " *s*	50.00		
		45	500 " *s*	40.00		
		167	500 " *s*	45.00		
		308	100 " *s*	9.00		
Strathroy	2,627	32	250 " *s*	15.00	3,205.66	1.22
Sunderland	.....	27	100 " *m*	20.00	551.25	**

s Series system.
m Multiple system.

**Population not shown in Government statistics.
††Part of cost paid in Debenture Charges.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Tara	521	68	100 watt *m*	25.00	1,833.30	3.52
Tavistock	1,003	66	100 " *m*	12.00	1,338.62	1.33
		35	200 " *m*	16.00		
Tecumseh	1,019	20	100 " *m*	12.00	236.00	††
Teeswater	838	15	200 " *s*	45.00	1,655.00	1.97
		35	100 " *s*	28.00		
Thamesford		34	100 " *m*	15.00	510.00	**
Thamesville	817	77	100 " *m*	12.00	924.00	1.13
Thedford	583	65	100 " *m*	30.00	1,950.00	3.34
Thorndale		26	100 " *m*	16.00	468.24	**
Thornton		21	100 " *m*	40.00	840.00	**
Thorold	5,243	54	100 " *m*	10.00	3,131.00	0.60
		240	60 " *m*	7.00		
		32	200 " *m*	15.00		
		23	4 Lt. cltr *m*	16.00		
Tilbury	1,851	88	100 watt *m*	13.00	1,013.32	0.54
		1	200 " *m*	26.00		
Tillsonburg	3,027	48	250 c.p. *s*	16.00	2,925.35	0.96
		139	80 " *s*	10.00		
		100	100 " *s*	10.00		
Toronto	522,942	6	50 watt *m*	6.56	400,889.62	0.76
		6	60 " *m*	4.80		
		43,279	100 " *m*	8.00–12.00		
		127	150 " *m*	12.00–15.00		
		92	200 " *m*	18.00–24.00		
		76	250 " *m*	20.00–24.00		
		1,318	300 " *m*	28.00		
		37	500 " *m*	45.00		
		5	1,000 " *m*	90.00		
		442	5 Lt stds, 100 w ea	47.50		
		24	1 Lt stds, 500 w	52.50		
		353	1 Lt stds, 300 w	58.00		
Tottenham	512	49	100 watt *s*	25.00	1,225.00	2.39
Uxbridge	1,492	126	100 " *m*	23.00	2,856.59	1.91
Vaughan Twp.		14	100 " *m*	17.00	238.00	**
Victoria Harbour	1,485	64	100 " *m*	11.00	693.00	0.47
Walkerville	7,303	48	600 c.p. *s*	47.00	6,519.67	††
		639	60 watt *m*	6.60		
		164	100 " *m*	8.00		
Wallaceburg	3,921	180	100 " *s*	12.00	2,745.35	0.70
		29	400 " *s*	25.00		

s Series system.
m Multiple system.

**Population not shown in Government statistics.
††Part of cost paid direct in the form of debenture charges.

STATEMENT "E"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1923, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Wardsville	212	25	75 watt *m*	29.00	870.00	4.10
		6	100 " *m*	29.00		
Waterdown	815	90	100 " *m*	10.00	711.67	0.87
Waterford	1,112	120	100 " *m*	10.00	1,219.57	1.10
Waterloo	5,976	171	100 " *s*	10.00	6,791.64	1.13
		255	80 " *s*	10.00		
		38	100 " *m*	10.00		
		14	200 " *m*	15.00		
		44	5 Lt. stds *m*	40.00		
		10	3 Lt. stds *m*	25.00		
Watford	1,039	90	100 watt *m*	15.00	1,365.00	1.31
Waubaushene		30	100 " *m*	10.00	380.00	**
Welland	8,880	124	200 " *m*	16.00	7,973.76	0.89
		519	100 " *m*	9.00		
Wellesley		59	100 " *m*	15.00	871.25	**
Wellington	840	63	100 " *m*	14.00	882.00	1.05
West Lorne	803	78	100 " *m*	11.00	1,046.50	1.30
		8	200 " *m*	14.00		
Weston	3,299	64	600 c.p. *s*	55.00	8,012.75	2.43
		369	100 " *s*	9.00		
		32	150 " *s*	10.00		
		5	100 " *s*	8.00		
		5	5 Lt. stds *m*	24.00		
		20	300 watt *m*	20.00		
Whitby	4,131	207	80 c.p. *s*	7.50	2,596.87	0.63
		118	100 watt *m*	7.50		
Williamsburg		18	100 " *m*	20.00	360.00	**
Winchester	1,058	117	100 " *m*	13.00	1,521.00	1.44
Windsor	38,530	2,642	100 " *s*	13.00	58,396.21	‡‡
		167	400 " *s*	28.00		
		419	600 " *s*	50.00		
Wingham	2,470	88	100 c.p. *s*	28.00	4,503.13	1.82
		25	250 " *s*	40.00		
		20	200 watt *m*	40.00		
Woodbridge	679	77	100 " *m*	11.00	847.00	1.25
Woodstock	10,164	50	250 " *s*	20.00	6,779.50	0.66
		450	80 " *s*	8.00		
		172	60 " *m*	8.00		
		105	100 " *m*	8.00		
Woodville	455	36	100 " *m*	20.00	720.00	1.58
Wyoming	489	50	100 " *m*	20.00	1,000.00	2.05
Zurich		60	100 " *m*	13.00	790.00	**

s Series system. *m* Multiple system. **Population not shown in Government statistics.
‡‡Includes Sandwich. Part of cost paid direct in the form of Debenture Charges.

STATEMENT

Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year											
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Acton.....*d*	.....	36.00	36.00	36.00	36.00	36.00	36.00	35.00	32.00	32.00	37.00	37.00
Agincourt.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.00
Ailsa Craig.....*d*	.....	.....	.....	.....	49.67	49.67	49.67	49.00	49.00	49.00	49.00	49.00
Alexandria.....	.....	.....	.....	.....	.....	.....	.....	.....	65.00	80.00	80.00	80.00
Alliston.....*d*	.....	.....	.....	.....	.....	.....	40.00	40.00	50.00	60.00	65.00	55.00
Alvinston.....*d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95.95	95.95
Ancaster.....*d*	.....	.....	.....	.....	.....	.....	.....	25.81	25.81	25.81	25.81	25.81
Apple Hill.....	.....	.....	.....	.....	.....	.....	.....	.....	60.00	85.00	85.00	85.00
Arthur.....*d*	.....	.....	.....	.....	.....	45.00	45.00	45.00	65.00	85.00	85.00	85.00
Aylmer.....*d*	.....	.....	.....	.....	.....	.....	39.00	38.00	38.00	45.00	50.00	50.00
Ayr.....*d*	.....	.....	.....	37.40	37.40	37.40	37.40	45.00	50.00	50.00	50.00	50.00
Baden.....*d*	36.95	37.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	36.00	36.00
Barrie.....*d*	.....	33.70	33.70	33.70	33.70	31.00	31.00	29.00	29.00	29.00	29.00	29.00
Barton Twp.....*d*			Served	by	Hamilton							
Beachville.....*d*	33.89	31.00	31.00	31.00	31.00	28.00	28.00	27.00	27.00	30.00	37.00	37.00
Beaverton.....*d*	.....	.....	.....	6.17	59.00	41.21	41.21	45.00	55.00	60.00	52.00	50.00
Beeton.....*d*	.....	.....	.....	.....	.....	.....	45.00	45.00	85.00	85.00	85.00	75.00
Belle River.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	92.00
Blenheim.....*d*	.....	.....	.....	.....	43.70	43.70	43.70	50.00	50.00	53.00	54.00	50.00
Bloomfield.....*d*	.....	.....	.....	.....	.....	.....	.....	66.16	66.16	66.16	72.50	72.50
Bolton.....*d*	.....	.....	.....	43.00	43.00	43.00	43.00	43.00	60.00	60.00	60.00	60.00
Bothwell.....*d*	.....	.....	.....	.....	59.26	59.26	59.26	60.00	60.00	60.00	55.00	55.00
Bradford.....	.....	.....	.....	.....	.....	.....	47.00	47.00	75.00	75.00	75.00	75.00
Brampton.....*b*	29.00	25.00	25.00	25.00	24.00	22.00	22.00	22.00	20.00	20.00	26.00	28.00
Brantford.....*a*	.....	.....	19.50	19.50	19.00	19.00	19.00	18.00	18.00	20.00	25.00	25.00
Brantford Twp....*d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brechin.....*d*	.....	.....	.....	56.79	67.00	50.00	50.00	55.00	85.00	90.00	90.00	85.00
Bridgeport, ext.....			Served	by	Kitchener							
Brigden.....*d*	.....	.....	.....	.....	.....	57.56	57.50	57.50	57.50	60.00	66.00	70.00
Brockville.....	.....	.....	.....	.....	.....	.....	30.00	40.00	45.19	55.00	55.00	40.00
Broughdale (London Township)			V.A.)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bullock's Corners & Greensville, ext...			Served	by	Dundas							
Burford.....*d*	.....	.....	.....	37.50	37.50	37.50	37.50	60.00	70.00	70.00	70.00	60.00
Burgessville.....*d*	.....	.....	.....	.....	.....	48.38	48.38	48.00	48.00	48.00	52.00	53.00
Caledonia.....*d*	29.10	29.10	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	29.00	29.00
Cannington.....*d*	.....	.....	.....	65.77	63.00	45.79	45.79	50.00	65.00	65.00	65.00	55.00
Carleton Place....*d*	.....	.....	.....	.....	.....	.....	.....	33.00	33.00	44.00	44.00	44.00
Chatham.....*a*	.....	.....	.....	30.78	30.78	30.78	30.78	29.00	29.00	28.00	31.00	31.00
Chatsworth.....*d*	.....	.....	.....	.....	30.18	30.18	30.18	30.00	45.00	60.00	70.00	60.00
Chesley.....*d*	.....	.....	.....	.....	40.00	40.00	40.00	40.00	45.00	55.00	55.00	50.00
Chesterville.....*d*	.....	.....	36.12	43.29	46.00	46.00	46.00	46.00	76.73	85.00	85.00	65.00
Chippawa.....*d*	.....	.....	.....	.....	.....	.....	.....	35.00	35.00	32.00	32.00	25.00
Clinton.....*a*	.....	.....	39.00	39.00	42.00	42.00	42.00	43.00	43.00	46.00	48.00	50.00
Coldwater.....*d*	.....	28.00	28.00	28.00	28.00	28.00	28.00	40.00	50.00	60.00	60.00	40.00
Collingwood.....*d*	.....	33.79	33.79	33.79	33.97	30.00	30.00	28.00	28.00	36.00	45.00	40.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.

"F"

and Power Rates to Consumers

Power rates to consumers

1922					1923				
Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount	Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount
$ c.	cents	cents	cents	%	$ c.	cents	cents	cents	%
1.00	3.1	2.0	0.15	10	1.00	3.1	2.0	0.15	10
.....	.....	.....	.....	.....	1.00	4.9	3.3	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.5	3.0	0.15	10
1.00	6.4	4.3	0.15	10	1.00	6.4	4.3	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	8.3	5.5	0.15	10	1.00	8.3	5.5	0.15	10
1.00	3.0	2.0	0.15	10	1.00	3.0	2.0	0.15	10
1.00	6.5	4.4	0.15	10	1.00	6.5	4.4	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	3.1	2.0	0.15	10	1.00	3.5	2.3	0.15	10
1.00	2.2	1.5	0.15	10	1.00	2.0	1.4	0.15	10
1.00	1.67	1.11	0.15	10	1.00	2.5	1.7	0.15	10
1.00	2.2	1.5	0.15	10	1.00	2.2	1.5	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.2	2.8	0.15	10
1.00	6.8	4.6	0.15	10	1.00	4.9	3.3	0.15	10
.....	.....	.....	.....	.....	1.00	8.6	5.7	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	6.5	4.3	0.15	10	1.00	6.5	4.3	0.15	10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	6.4	4.3	0.15	10	1.00	6.4	4.3	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	2.0	1.33	0.167	10 & 10	1.00	2.33	1.56	0.167	10 & 10
1.00	2.11	1.39	0.167	10 & 10	1.00	2.00	1.4	0.15	10
1.00	2.8	1.8	0.15	10	1.00	2.8	1.8	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
1.00	2.8	1.8	0.15	10	1.00	2.8	1.8	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
1.00	5.2	3.5	0.15	10	1.00	4.7	3.1	0.15	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1.00	2.8	1.8	0.15	10	1.00	2.8	1.8	0.15	10
1.00	6.8	4.6	0.15	10	1.00	4.9	3.3	0.15	10
1.00	4.9	3.3	0.15	10	1.00	5.2	3.5	0.15	10
1.00	2.33	1.56	0.167	10 & 10	1.00	2.6	1.8	0.15	10
1.00	5.9	4.0	0.15	10	1.00	5.6	3.8	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.6	2.4	0.15	10
1.00	2.5	1.7	0.15	10	1.00	2.5	1.7	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	5.1	3.4	0.15	10	1.00	4.9	3.3	0.15	10
1.00	5.2	3.5	0.15	10	1.00	5.2	3.5	0.15	10
1.00	2.8	1.8	0.15	10	1.00	2.	1.4	0.15	10
1.00	4.9	3.3	0.15	10	1.00	5.4	3.6	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.2	2.8	0.15	10
1.00	3.2	2.1	0.15	10	1.00	3.1	2.0	0.15	10

Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,000 volts.

STATEMENT

Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year											
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Comber....d	.....	.....	.....	.....	56.22	56.22	56.22	60.00	60.00	60.00	60.00	50.00
Cookstown....d	.....	.....	.....	.....	.....	.....	35.00	35.00	60.00	60.00	60.00	60.00
Creemore....d	.....	.....	54.13	54.13	54.13	54.13	54.13	60.00	65.00	65.00	70.00	60.00
Dashwood....d	.....	.....	.....	.....	.....	.....	56.75	56.00	56.00	56.00	62.00	62.00
Delaware....d	.....	.....	.....	46.56	46.56	46.56	46.56	50.00	85.00	85.00	85.00	75.00
Dorchester....d	.....	.....	.....	45.00	45.00	45.00	45.00	50.00	50.00	50.00	50.00	50.00
Drayton....d	.....	.....	.....	.....	.....	.....	60.45	60.00	65.00	70.00	72.00	70.00
Dresden....d	.....	.....	.....	43.00	43.00	43.00	43.00	42.00	38.00	38.00	38.00	38.00
Drumbo....d	.....	.....	.....	40.73	40.73	40.73	40.73	45.00	60.00	55.00	55.00	50.00
Dublin....d	.....	.....	.....	.....	.....	47.91	47.91	48.00	60.00	60.00	70.00	70.00
Dundalk....d	.....	.....	.....	.....	27.30	27.30	27.30	27.00	38.00	50.00	55.00	45.00
Dundas....b	17.00	16.00	15.00	15.00	14.00	14.00	14.00	14.00	14.00	17.00	22.00	23.00
Dunnville....a	.....	.....	.....	.....	.....	.....	27.77	27.77	35.00	40.00	50.00	42.00
Durham....d	.....	.....	.....	.....	33.97	33.97	33.97	33.00	45.00	50.00	50.00	40.00
Dutton....d	.....	.....	.....	43.53	43.53	43.53	43.53	43.00	40.00	40.00	44.00	44.00
Elmira....d	.....	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00
Elmvale....d	.....	31.00	31.00	31.00	31.00	31.00	31.00	31.00	37.00	37.00	37.00	35.00
Elmwood....d	.....	.....	.....	.....	.....	.....	35.00	35.00	45.00	55.00	55.00	55.00
Elora....d	.....	.....	33.97	33.97	33.97	33.97	33.97	40.00	40.00	40.00	44.00	40.00
Embro....d	.....	.....	.....	39.85	45.00	45.00	45.00	60.00	75.00	75.00	80.00	70.00
Etobicoke Twp....d	.....	.....	.....	.....	.....	27.00	27.00	27.00	27.00	27.00	27.00	30.00
Exeter....d	.....	.....	.....	.....	41.66	41.66	41.66	41.00	41.00	41.00	46.00	55.00
Fergus....d	.....	.....	33.97	33.97	33.97	33.97	33.97	40.00	40.00	44.00	47.00	40.00
Flesherton....d	.....	.....	.....	.....	25.96	25.96	25.96	26.00	36.00	45.00	55.00	55.00
Ford City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46.42	40.00
Forest....d	.....	.....	.....	.....	.....	63.27	63.27	63.00	60.00	60.00	60.00	55.00
Galt....c	25.00	22.00	21.50	21.50	21.00	20.00	20.00	20.00	20.00	21.00	25.00	28.00
Gamebridge			Serve	d by	Brech	in						
Georgetown....d	.....	36.00	36.00	36.00	36.00	36.00	36.00	36.00	35.00	35.00	38.00	38.00
Glencoe....d	.....	.....	.....	.....	.....	.....	.....	.....	78.35	78.35	76.00	70.00
Glen Williams, ext..			Serve	d by	Georg	etown						
Goderich....a	.....	.....	37.00	37.00	43.00	43.00	43.00	43.00	43.00	50.00	55.00	57.00
Grand Valley....d	.....	.....	.....	.....	.....	45.00	45.00	45.00	60.00	70.00	60.00	60.00
Granton....d	.....	.....	.....	.....	48.61	48.61	48.61	48.00	55.00	55.00	55.00	55.00
Gravenhurst....c	.....	.....	.....	.....	.....	.....	.....	.....	15.00	15.00	20.00	20.00
Guelph....b	25.00	22.00	21.00	21.00	20.00	20.00	20.00	19.00	19.00	20.00	25.00	27.00
Hagersville....d	.....	33.21	33.21	33.21	33.21	33.21	33.21	34.00	36.00	36.00	36.00	32.00
Hamilton....b	17.00	16.00	15.00	15.00	14.00	14.00	14.00	14.00	14.00	16.00	20.00	24.00
Hanover....d	.....	.....	.....	.....	.....	.....	35.00	35.00	35.00	40.00	35.00	35.00
Harriston....d	.....	.....	.....	.....	46.62	46.62	46.62	48.00	52.00	55.00	50.00	50.00
Havelock	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65.00	65.00
Hensall....d	.....	.....	.....	.....	.....	47.76	47.67	47.00	55.00	57.00	64.00	75.00
Hespeler....c	26.00	23.00	23.00	23.00	22.50	21.00	21.00	21.00	21.00	23.00	29.00	30.00
Highgate....d	.....	.....	.....	.....	.....	51.82	51.82	51.00	51.00	55.00	55.00	55.00
Holstein....d	.....	.....	.....	.....	43.50	43.50	43.50	44.00	75.00	90.00	90.00	90.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.

"F"—Continued

and Power Rates to Consumers

Power rates to consumers									
1922					1923				
Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount	Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount
$ c.	cents	cents	cents	%	$ c.	cents	cents	cents	%
1.00	6.5	4.4	0.15	10	1.00	5.6	3.8	0.15	10
1.00	6.8	4.6	0.15	10	1.00	4.9	3.3	0.15	10
1.00	6.4	4.3	0.15	10	1.00	6.4	4.3	0.15	10
1.00	6.7	4.5	0.15	10	1.00	6.7	4.5	0.15	10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	5.4	3.6	0.15	10	1.00	4.9	3.3	0.15	10
1.00	7.1	4.7	0.15	10	1.00	7.1	4.7	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.6	2.4	0.15	10
1.00	4.8	3.2	0.15	10	1.00	4.8	3.2	0.15	10
1.00	6.4	4.3	0.15	10	1.00	6.4	4.3	0.15	10
1.00	4.2	2.8	0.15	10	1.00	3.9	2.6	0.15	10
1.00	2.0	1.33	0.167	10 & 10	1.00	2.0	1.33	0.167	10 & 10
1.00	4.2	2.8	0.15	10	1.00	3.9	2.6	0.15	10
1.00	4.5	3.0	0.15	10	1.00	3.9	2.6	0.15	10
1.00	3.5	2.3	0.15	10	1.00	3.5	2.3	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.6	2.4	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.5	2.3	0.15	10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	3.9	2.6	0.15	10	1.00	3.6	2.4	0.15	10
1.00	7.1	4.7	0.15	10	1.00	7.1	4.7	0.15	10
1.00	2.8	1.8	0.15	10	1.00	2.8	1.8	0.15	10
1.00	3.9	2.6	0.15	10	1.00	4.2	2.8	0.15	10
1.00	3.9	2.6	0.15	10	1.00	3.6	2.4	0.15	10
1.00	4.2	2.8	0.15	10	1.00	4.2	2.8	0.15	10
1.00	3.1	2.0	0.15	10	1.00	3.1	2.0	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.4	4.3	0.15	10
1.00	2.0	1.4	0.15	10	1.00	2.6	1.8	0.15	10
1.00	8.7	5.8	0.15	10	1.00	8.7	5.8	0.15	10
1.00	2.5	1.7	0.15	10	1.00	2.5	1.7	0.15	10
1.00	7.8	5.2	0.15	10	1.00	7.1	4.7	0.15	10
1.00	4.1	2.7	0.15	10	1.00	4.1	2.7	0.15	10
1.00	4.5	3.0	0.15	10	1.00	4.8	3.2	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
1.00	5.6	3.8	0.15	10	1.00	5.2	3.5	0.15	10
1.00	3.5	2.25	0.15	10	1.00	3.2	2.1	0.15	10
1.00	1.67	1.11	0.133	10 & 10	1.00	1.67	1.11	0.133	10 & 10
1.00	2.5	1.7	0.15	10	1.00	2.0	1.4	0.15	10
1.00	1.67	1.11	0.133	10 & 10	1.00	2.0	1.33	0.167	10 & 10
1.00	3.3	2.2	0.15	10	1.00	3.1	2.0	0.15	10
1.00	4.8	3.2	0.15	10	1.00	4.8	3.2	0.15	10
.....	.....	.....	.....	.....	1.00	3.6	2.4	0.15	10
1.00	5.6	3.8	0.15	10	1.00	6.4	4.3	0.15	10
1.00	2.5	1.7	0.15	10	1.00	2.8	1.8	0.15	10
1.00	5.8	3.9	0.15	10	1.00	5.6	3.8	0.15	10
1.00	9.3	6.2	0.15	10	1.00	9.3	6.2	0.15	10

Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,200 volts.

STATEMENT

Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year											
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Hornings Mills	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Huntsville *d*	.....	.....	.....	.....	.....	22.51	22.51	25.00	25.00	25.00	25.00	25.00
Ingersoll *b*	28.00	25.50	25.50	25.50	25.00	23.00	23.00	23.00	21.00	23.00	29.00	30.00
Kemptville	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.00	80.00	60.00
Kincardine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	70.00
Kingston *a*	.....	.....	.....	.....	.....	.....	28.00	.....	25.00	25.00	27.00	26.00
Kirkfield	.....	.....	.....	.....	.....	.....	.....	.....	45.00	60.00	60.00	55.00
Kitchener *b*	25.00	22.50	21.50	21.50	21.00	20.00	20.00	19.00	19.00	20.00	25.00	27.00
Lakefield	.....	.....	.....	.....	.....	.....	.....	.....	36.00	36.00	45.00	45.00
Lambeth *d*	.....	.....	.....	46.56	46.56	46.56	46.56	50.00	85.00	75.00	75.00	70.00
Lanark	.....	.....	.....	.....	.....	.....	.....	.....	92.50	92.50	92.50	75.00
Lancaster	.....	.....	.....	.....	.....	.....	.....	.....	97.00	97.00	97.00	97.00
Listowel *d*	.....	.....	.....	.....	37.41	37.41	37.41	37.00	37.00	37.00	37.00	40.00
London *b*	28.00	24.00	23.00	23.00	22.00	21.00	21.00	19.00	19.00	20.00	25.00	25.00
Lucan *d*	.....	.....	.....	47.74	47.74	47.74	47.74	40.00	40.00	35.00	38.00	40.00
Lucknow	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60.00	65.00
Lynden *d*	.....	.....	.....	33.00	33.00	33.00	33.00	40.00	50.00	50.00	50.00	45.00
Markdale *d*	.....	.....	.....	.....	23.24	23.24	23.24	23.00	35.00	50.00	50.00	40.00
Markham *d*	.....	.....	.....	.....	.....	.....	.....	.....	77.74	77.74	70.00	65.00
Marmora	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.00	35.00
Martintown	.....	.....	.....	.....	.....	.....	.....	.....	54.00	85.00	85.00	75.00
Maxville	.....	.....	.....	.....	.....	.....	.....	.....	86.00	86.00	86.00	86.00
Merlin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60.00
Merritton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18.00	20.00
Midland *d*	21.00	20.30	19.45	19.37	19.37	19.00	19.00	20.00	28.00	32.00	32.00	30.00
Milton *b*	.....	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	32.00	32.00
Milverton *d*	.....	.....	.....	.....	35.63	35.63	35.63	35.00	35.00	35.00	35.00	35.00
Mimico *d*	30.74	30.00	28.00	28.00	28.00	27.00	27.00	25.00	21.00	21.00	26.00	30.00
Mitchell *a*	38.00	37.00	37.00	37.00	37.00	36.00	36.00	36.00	36.00	36.00	37.00	37.00
Moorefield *d*	.....	.....	.....	.....	.....	.....	63.93	63.00	70.00	70.00	70.00	75.00
Mount Brydges *d*	.....	.....	.....	46.56	46.56	46.56	46.56	50.00	70.00	70.00	76.00	70.00
Mount Forest *d*	.....	.....	.....	.....	34.51	34.51	34.51	40.00	55.00	65.00	65.00	60.00
Neustadt *d*	.....	.....	.....	.....	.....	.....	.....	42.50	45.00	55.00	55.00	45.00
Newbury *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	67.10	67.10	67.10
New Hamburg *d*	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	38.00	38.00
New Toronto *d*	.....	.....	28.00	28.00	28.00	27.00	27.00	25.00	20.00	22.00	26.00	30.00
Niagara Falls *b & d*	.....	.....	.....	.....	11.50	11.50	11.50	11.50	11.50	12.50	17.50	18.00
Niagara-on-the-Lake *b*	.....	.....	.....	.....	.....	.....	.....	.....	28.00	28.00	26.00	26.00
Norwich *d*	30.00	32.00	32.00	32.00	38.00	38.00	38.00	35.00	35.00	35.00	39.00	40.00
Norwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38.00	38.00
Oil Springs *d*	.....	.....	.....	.....	.....	.....	38.54	38.00	43.00	43.00	48.00	40.00
Omemee *d*	.....	.....	.....	.....	.....	.....	39.39	39.39	39.39	39.39	39.39	35.00
Orangeville *d*	.....	.....	.....	.....	35.00	35.00	35.00	35.00	55.00	65.00	65.00	60.00
Ottawa *a*	15.00	15.00	15.00	14.00	14.00	14.00	14.00	14.00	14.00	13.50	13.00	12.00
Otterville *d*	.....	.....	.....	.....	45.00	45.00	45.00	50.00	50.00	50.00	52.00	52.00
Owen Sound *d*	.....	.....	.....	.....	31.00	31.00	31.00	28.00	28.00	30.00	40.00	35.00
Paisley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	115.00
Palmerston *d*	.....	.....	.....	.....	40.82	40.82	40.82	45.00	50.00	45.00	45.00	45.00
Paris *a*	.....	.....	21.00	21.00	21.00	21.00	21.00	20.00	19.00	21.00	26.00	28.00
Parkhill *d*	.....	.....	.....	.....	.....	.....	.....	.....	75.23	75.00	75.00	70.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.

"F"—Continued

and Power Rates to Consumers

Power rates to consumers

1922					1923				
Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount	Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount
$ c.	cents	cents	cents	%	$ c.	cents	cents	cents	%
1.00	5.6	3.8	0.15	10	1.00	5.6	3.8	0.15	10
1.00	3.5	2.25	0.15	10	1.00	3.5	2.25	0.15	10
1.00	2.0	1.4	0.15	10	1.00	2.2	1.5	0.15	10
1.00	8.6	5.7	0.15	10	1.00	7.8	5.2	0.15	10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	2.0	1.4	0.15	10	1.00	1.83	1.233	0.156	10 & 10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	2.0	1.33	0.167	10 & 10	1.00	2.0	1.4	0.15	10
1.00	4.2	2.8	0.15	10	1.00	4.2	2.8	0.15	10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	8.6	5.7	0.15	10	1.00	7.8	5.2	0.15	10
1.00	8.6	5.7	0.15	10	1.00	8.6	5.7	0.15	10
1.00	3.8	2.5	0.15	10	1.00	3.8	2.5	0.15	10
1.00	2.0	1.33	0.167	10 & 10	1.00	2.33	1.56	0.167	10 & 10
1.00	3.9	2.6	0.15	10	1.00	3.9	2.6	0.15	10
1.00	7.1	4.7	0.15	10	1.00	7.1	4.7	0.15	10
1.00	4.5	3.0	0.15	10	1.00	4.2	2.8	0.15	10
1.00	3.5	2.3	0.15	10	1.00	3.5	2.3	0.15	10
1.00	7.8	5.2	0.15	10	1.00	7.8	5.2	0.15	10
1.00	4.2	2.8	0.15	10	1.00	4.2	2.8	0.15	10
1.00	6.4	4.3	0.15	10	1.00	6.4	4.3	0.15	10
1.00	8.0	5.3	0.15	10	1.00	8.0	5.3	0.15	10
.....	.....	.....	.....	.....	1.00	7.4	4.9	0.15	10
1.00	1.67	1.11	0.133	10 & 10	1.00	1.67	1.11	0.133	10 & 10
1.00	2.00	1.4	0.15	10	1.00	2.00	1.4	0.15	10
1.00	2.2	1.5	0.15	10	1.00	2.5	1.7	0.15	10
1.00	3.3	2.2	0.15	10	1.00	3.3	2.2	0.15	10
1.00	2.2	1.5	0.15	10	1.00	2.8	1.8	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.6	2.4	0.15	10
1.00	7.1	4.7	0.15	10	1.00	7.1	4.7	0.15	10
1.00	6.1	4.1	0.15	10	1.00	6.1	4.1	0.15	10
1.00	4.2	2.8	0.15	10	1.00	4.2	2.8	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	8.1	5.4	0.15	10	1.00	8.1	5.4	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.6	2.4	0.15	10
1.00	2.0	1.33	0.167	10 & 10	1.00	2.2	1.5	0.15	10
1.00	1.867	1.267	0.16	25 & 10	1.00	1.83	1.233	0.156	10 & 10
1.00	2.2	1.5	0.15	10	1.00	2.5	1.7	0.15	10
1.00	3.2	2.1	0.15	10	1.00	3.5	2.3	0.15	10
1.00	3.9	2.6	0.15	10	1.00	3.9	2.6	0.15	10
1.00	4.8	3.2	0.15	10	1.00	4.2	2.8	0.15	10
1.00	4.5	3.0	0.15	10	1.00	4.5	3.0	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.6	2.4	0.15	10
1.00	1.8	1.2	0.15	15 & 10	1.00	1.8	1.2	0.15	15 & 10
1.00	4.7	3.1	0.15	10	1.00	4.7	3.1	0.15	10
1.00	2.0	1.4	0.15	10	1.00	2.0	1.4	0.15	10
.....	.....	.....	.....	.....	1.00	9.3	6.2	0.15	10
1.00	4.7	3.1	0.15	10	1.00	4.7	3.1	0.15	10
1.00	2.0	1.33	0.167	10 & 10	1.00	2.0	1.33	0.167	10 & 10
1.00	7.4	4.9	0.15	10	1.00	7.1	4.7	0.15	10

Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,200 volts.

STATEMENT

Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year											
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Penetang....d	28.80	26.50	26.50	26.50	26.50	22.00	22.00	22.00	32.00	30.00	30.00	30.00
Perth....d	.....	.....	.....	.....	.....	.....	.....	32.00	32.00	45.00	45.00	45.00
Peterboro....cd	.....	.....	18.00	18.00	17.70	17.70	17.50	17.50	17.50	17.50	22.50	22.50
Petrolia....d	.....	.....	.....	.....	36.26	36.26	36.26	36.00	36.00	36.00	36.00	36.00
Plattsville....d	.....	.....	.....	49.27	49.27	49.27	49.27	60.00	65.00	65.00	75.00	90.00
Picton....d	.....	.....	.....	.....	.....	.....	.....	69.14	69.14	69.14	52.00	52.00
Point Edward.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40.42
Port Arthur....a	20.30	19.50	22.25	22.71	20.75	20.75	19.75	19.75	.....	.....	21.00	21.00
Port Colborne....a	.....	.....	.....	.....	.....	.....	.....	.....	21.00	21.00	25.00	27.00
Port Credit....d	36.79	31.00	28.00	28.00	27.00	27.00	27.00	25.00	23.00	23.00	28.00	35.00
Port Dalhousie....d	.....	22.30	21.42	22.49	24.31	25.81	24.85	21.56	17.00	17.00	22.00	24.00
Port Dover.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	62.00	60.00
Port McNicoll....d	.....	.....	.....	35.00	35.00	25.00	25.00	35.00	85.00	85.00	40.00	30.00
Port Perry....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	90.00	90.00
Port Robinson, ext.			Served by Welland									
Port Stanley....d	59.75	55.50	43.85	50.90	49.53	46.78	45.54	53.03	53.00	50.00	50.00	48.00
Prescott....d	.....	.....	39.59	28.67	25.00	25.00	25.00	.....	44.93	55.00	52.00	45.00
Preston....c	25.00	21.50	21.00	21.00	20.00	19.00	19.00	19.00	19.00	22.00	27.00	27.00
Priceville.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.00	65.00
Princeton....d	.....	.....	.....	65.95	65.95	65.95	65.95	70.00	85.00	90.00	90.00	75.00
Queenston.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18.42	20.00
Ridgetown....d	.....	.....	.....	.....	47.17	47.17	47.17	47.00	47.00	45.00	45.00	45.00
Ripley.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60.00	70.00
Riverside....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52.75	45.00
Rockwood....d	.....	38.00	38.00	38.00	38.00	38.00	38.00	38.00	55.00	55.00	65.00	60.00
Rodney....d	.....	.....	.....	.....	.....	63.00	63.00	63.00	63.00	55.00	50.00	48.00
St. Catharines....b	.....	.....	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	18.25	20.00
St. Clair Beach....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.59	75.00
St. George....d	.....	.....	.....	38.78	38.78	38.78	38.78	45.00	45.00	45.00	49.00	40.00
St. Jacobs....d	.....	.....	.....	.....	.....	32.44	42.18	32.00	32.00	35.00	40.00	40.00
St. Marys....b	38.00	29.50	29.50	29.50	28.00	28.00	28.00	28.00	28.00	32.00	35.00	35.00
St. Thomas....b	32.00	29.00	28.00	28.00	27.00	26.00	26.00	24.00	24.00	25.00	30.00	30.00
Sandwich.....			Served by Windsor									
Sarnia....a	.....	.....	.....	.....	38.00	38.00	38.00	38.00	36.00	35.00	35.00	35.00
Scarboro Tp....d	.....	.....	.....	.....	.....	.....	.....	25.00	25.00	28.00	35.00	35.00
Seaforth....a	41.00	40.00	40.00	40.00	40.00	38.00	38.00	38.00	36.00	36.00	40.00	40.00
Sebringville, ext....			Served by Stratford									
Shelburne....d	.....	.....	.....	.....	30.00	30.00	30.00	30.00	38.00	50.00	50.00	50.00
Simcoe....a	.....	.....	.....	35.00	35.00	35.00	35.00	32.00	28.00	28.00	34.00	34.00
Smiths Falls....d	.....	.....	.....	.....	.....	.....	28.00	28.00	28.00	40.00	40.00	40.00
Springfield....d	.....	.....	.....	.....	.....	65.00	65.00	65.00	65.00	65.00	65.00	65.00
Stamford Tp....b	.....	.....	.....	.....	.....	.....	16.57	15.00	15.00	16.00	20.00	20.00
Stayner....d	.....	.....	37.82	37.82	37.82	35.00	35.00	35.00	40.00	40.00	45.00	40.00
Stouffville.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.00
Stratford....a	32.00	30.00	30.00	30.00	29.00	27.00	27.00	25.00	25.00	27.00	30.00	30.00
Strathroy....b	.....	.....	.....	44.07	44.07	44.07	44.01	42.00	40.00	37.00	40.00	40.00
Sunderland....d	.....	.....	.....	82.68	81.00	50.00	50.00	55.00	85.00	85.00	85.00	75.00
Sutton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.00
Tara....d	.....	.....	.....	.....	.....	.....	37.00	37.00	85.00	90.00	90.00	90.00
Tavistock....d	.....	.....	.....	.....	.....	78.28	37.01	36.00	35.00	35.00	37.00	37.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.

"F"—Continued

and Power Rates to Consumers

Power rates to consumers

1922					1923				
Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount	Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount
$ c.	cents	cents	cents	%	$ c.	cents	cents	cents	%
1.00	2.0	1.4	0.15	10	1.00	2.0	1.4	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.5	2.3	0.15	10
1.00	1.3	0.8	0.1	10 & 10	1.00	1.3	0.8	0.1	10 & 10
1.00	3.1	2.0	0.15	10	1.00	3.1	2.0	0.15	10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	5.6	3.8	0.15	10	1.00	5.6	3.8	0.15	10
.....	.....	.....	.....	.....	1.00	3.1	2.0	0.15	10
1.00	1.75	1.0	0.1	10	1.00	1.75	1.0	0.1	10
1.00	2.5	1.7	0.15	10	1.00	2.8	1.8	0.15	10
1.00	2.3	1.6	0.15	10	1.00	2.8	1.8	0.15	10
1.00	2.33	1.56	0.167	10 & 10	1.00	2.2	1.5	0.15	10
1.00	7.4	4.9	0.15	10	1.00	7.4	4.9	0.15	10
1.00	4.9	3.3	0.15	10	1.00	3.5	2.3	0.15	10
1.00	7.5	5.0	0.15	10	1.00	7.5	5.0	0.15	10
1.00	2.11	1.39	0.167	10 & 10	1.00	2.11	1.39	0.167	10 & 10
1.00	5.0	3.0	0.15	10	1.00	5.4	3.6	0.15	10
1.00	4.2	2.8	0.15	10	1.00	3.6	2.4	0.15	10
1.00	2.0	1.4	0.15	10	1.00	2.6	1.8	0.15	10
1.00	5.6	3.8	0.15	10	1.00	5.6	3.8	0.15	10
1.00	7.8	5.2	0.15	10	1.00	7.8	5.2	0.15	10
1.00	2.0	1.4	0.15	10	1.00	2.0	1.4	0.15	10
1.00	4.2	2.8	0.15	10	1.00	3.6	2.4	0.15	10
1.00	7.1	4.7	0.15	10	1.00	7.1	4.7	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	5.6	3.8	0.15	10	1.00	5.6	3.8	0.15	10
1.00	1.867	1.267	0.16	25 & 10	1.00	1.867	1.267	0.16	25 & 10
1.00	7.1	4.7	0.15	10	1.00	7.1	4.7	0.15	10
1.00	3.8	2.5	0.15	10	1.00	3.3	2.2	0.15	10
1.00	3.1	2.0	0.15	10	1.00	3.1	2.0	0.15	10
1.00	3.3	2.2	0.15	10	1.00	3.5	2.3	0.15	10
1.00	1.83	1.233	0.156	10 & 10	1.00	1.83	1.233	0.156	10 & 10
1.00	3.5	2.3	0.15	10	1.00	3.5	2.3	0.15	10
1.00	3.1	2.0	0.15	10	1.00	3.1	2.0	0.15	10
1.00	4.8	3.2	0.15	10	1.00	4.5	3.0	0.15	10
1.00	3.5	2.3	0.15	10	1.00	3.6	2.4	0.15	10
1.00	4.5	3.0	0.15	10	1.00	4.5	3.0	0.15	10
1.00	3.8	2.5	0.15	10	1.00	3.8	2.5	0.15	10
1.00	2.8	1.8	0.15	10	1.00	2.8	1.8	0.15	10
1.00	3.6	2.4	0.15	10	1.00	3.6	2.4	0.15	10
1.00	7.8	5.2	0.15	10	1.00	7.8	5.2	0.15	10
1.00	2.0	1.33	0.167	10 & 10	1.00	2.0	1.33	0.167	10 & 10
1.00	4.2	2.8	0.15	10	1.00	4.2	2.8	0.15	10
.....	.....	.....	.....	.....	1.00	7.8	5.2	0.15	10
1.00	2.5	1.7	0.15	10	1.00	2.8	1.8	0.15	10
1.00	3.2	2.1	0.15	10	1.00	2.9	1.9	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
.....	.....	.....	.....	.....	1.00	7.1	4.7	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
1.00	2.2	1.5	0.15	10	1.00	2.2	1.5	0.15	10

Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,200 volts.

STATEMENT

Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year											
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Tecumseh *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59.07	52.00
Teeswater	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40.00	50.00
Thamesford *d*	.....	.....	45.00	45.00	45.00	45.00	45.00	50.00	50.00	50.00	54.00	50.00
Thamesville *d*	.....	.....	.....	.....	45.40	45.40	45.40	50.00	60.00	55.00	55.00	50.00
Thedford *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	110.00	110.00
Thorndale *d*	.....	.....	45.00	45.00	45.00	45.00	45.00	50.00	60.00	60.00	70.00	70.00
Thornton *d*	.....	.....	.....	.....	.....	.....	43.00	43.00	85.00	85.00	85.00	85.00
Thorold *b*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22.25	22.25
Tilbury *d*	.....	.....	.....	39.45	39.45	39.45	39.45	45.00	50.00	50.00	50.00	45.00
Tillsonburg *b*	32.00	32.00	32.00	32.00	35.00	35.00	35.00	32.00	30.00	30.00	39.00	45.00
Toronto *b*	18.50	15.00	15.00	15.00	14.50	14.50	14.50	14.50	14.50	17.00	22.00	24.00
Toronto Twp. *d*	.....	.....	.....	.....	.....	.....	.....	25.00	25.00	25.00	30.00	30.00
Tottenham *d*	.....	.....	.....	.....	.....	.....	51.00	51.00	85.00	90.00	90.00	90.00
Uxbridge *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	90.00	90.00
Vaughan Twp.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.00	36.00
Victoria Harbor *d*	.....	.....	.....	35.00	35.00	35.00	35.00	35.00	50.00	45.00	45.00	40.00
Walkerville *a*	.....	.....	38.00	38.00	38.00	38.00	38.00	36.00	36.00	35.00	35.00	33.00
Wallaceburg *d*	.....	.....	.....	38.45	38.45	38.45	38.45	38.00	38.45	35.00	35.00	35.00
Wardsville *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82.20	82.20
Warkworth	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.51
Waterdown *d*	37.50	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	31.00	36.00	36.00
Waterford *d*	.....	.....	.....	39.00	39.00	39.00	39.00	39.00	33.00	33.00	38.00	35.00
Waterloo *b*	26.00	23.50	22.50	22.50	22.00	21.00	21.00	20.00	20.00	21.00	26.00	28.00
Watford *d*	.....	.....	.....	.....	.....	59.45	59.45	65.00	85.00	85.00	85.00	70.00
Waubaushene *d*	.....	.....	.....	35.00	35.00	25.00	25.00	30.00	45.00	45.00	45.00	40.00
Welland *b*	.....	14.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	16.00	20.00	23.00
Wellesley *d*	.....	.....	.....	.....	.....	39.96	39.96	39.00	39.00	39.00	43.00	44.00
Wellington *d*	.....	.....	.....	.....	.....	.....	.....	52.76	52.76	52.76	50.00	50.00
West Hamilton, ext			Served by Anchaster									
West Lorne *d*	.....	.....	.....	.....	.....	55.60	55.60	55.00	55.00	50.00	45.00	40.00
Weston *b*	30.00	30.00	30.00	30.00	30.00	30.00	30.00	25.00	23.00	23.00	29.00	30.00
Williamsburg *d*	.....	.....	.....	25.09	30.00	30.00	30.00	30.00	50.00	73.89	95.00	75.00
Winchester *d*	.....	.....	38.28	39.54	43.00	43.00	43.00	43.00	69.84	85.00	85.00	65.00
‡Windsor *a*	.....	.....	38.00	38.00	38.00	38.00	38.00	36.00	36.00	35.00	35.00	33.00
Wingham	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45.00	55.00
Woodbridge *d*	.....	.....	.....	33.83	33.83	33.83	33.83	33.00	31.00	31.00	37.00	38.00
Woodstock *b*	26.00	23.00	23.00	23.00	23.00	21.00	21.00	20.00	20.00	21.00	27.00	28.00
Woodville *d*	.....	.....	.....	70.24	70.00	50.00	50.00	55.00	80.00	80.00	80.00	75.00
Wyoming *d*	.....	.....	.....	.....	38.34	38.34	38.34	38.00	60.00	60.00	60.00	62.00
York Twp.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zurich *d*	.....	.....	.....	.....	.....	.....	69.34	69.00	60.00	60.00	74.00	74.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.
‡Windsor rates for 60 cycle power are 25% higher than rates given here.

"F"—Concluded

and Power Rates to Consumers

Power rates to consumers									
1922					1923				
Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount	Service charge per horsepower per month	1st 50 hr. per month per kw-hr.	2nd 50 hr. per month per kw-hr.	All additional per kw-hr.	Prompt payment discount
$ c.	cents	cents	cents	%	$ c.	cents	cents	cents	%
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	4.2	2.8	0.15	10	1.00	4.2	2.8	0.15	10
1.00	5.4	3.6	0.15	10	1.00	4.9	3.3	0.15	10
1.00	6.1	4.1	0.15	10	1.00	5.1	3.4	0.15	10
1.00	9.0	6.0	0.15	10	1.00	9.0	6.0	0.15	10
1.00	5.6	3.8	0.15	10	1.00	5.6	3.8	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
1.00	2.0	1.4	0.15	10	1.00	2.0	1.4	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.2	2.8	0.15	10
1.00	3.5	2.3	0.15	10	1.00	3.6	2.4	0.15	10
†A.C. 1.25 & 1.00	1.5	0.75	0.4	10	†A.C. 1.25 & 1.00	1.5	0.75	0.4	10
†D.C. 1.35 & 1.00	2.5	1.25	0.6	10	†D.C. 1.35 & 1.00	2.5	1.25	0.6	10
1.00	4.2	2.8	0.15	10	1.00	4.2	2.8	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
1.00	7.5	5.0	0.15	10	1.00	7.5	5.0	0.15	10
1.00	5.5	3.7	0.15	10	1.00	5.5	3.7	0.15	10
1.00	5.6	3.8	0.15	10	1.00	4.2	2.8	0.15	10
1.00	3.1	2.0	0.15	10	1.00	2.9	1.9	0.15	10
1.00	3.2	2.1	0.15	10	1.00	2.9	1.9	0.15	10
1.00	8.6	5.7	0.15	10	1.00	8.6	5.7	0.15	10
.....	.....	.....	.....	.....	1.00	10.7	7.2	0.15	10
1.00	3.3	2.2	0.15	10	1.00	3.3	2.2	0.15	10
1.00	3.1	2.0	0.15	10	1.00	3.1	2.0	0.15	10
1.00	2.33	1.56	0.167	10 & 10	1.00	2.2	1.5	0.15	10
1.00	7.1	4.7	0.15	10	1.00	6.4	4.3	0.15	10
1.00	4.9	3.3	0.15	10	1.00	4.9	3.3	0.15	10
1.00	1.67	1.11	0.133	10 & 10	1.00	2.33	1.56	0.167	10 & 10
1.00	4.3	2.9	0.15	10	1.00	4.7	3.1	0.15	10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	2.8	1.8	0.15	10	1.00	2.8	1.8	0.15	10
1.00	4.7	3.1	0.15	10	1.00	4.3	2.9	0.15	10
1.00	2.33	1.56	0.167	10 & 10	1.00	2.2	1.5	0.15	10
1.00	6.4	4.3	0.15	10	1.00	6.4	4.3	0.15	10
1.00	6.4	4.3	0.15	10	1.00	6.4	4.3	0.15	10
1.00	3.1	2.0	0.15	10	1.00	2.9	1.9	0.15	10
1.00	5.4	3.6	0.15	10	1.00	5.4	3.6	0.15	10
1.00	3.1	2.0	0.15	10	1.00	3.1	2.0	0.15	10
1.00	2.11	1.39	0.167	10 & 10	1.00	2.0	1.4	0.15	10
1.00	6.8	4.6	0.15	10	1.00	6.8	4.6	0.15	10
1.00	7.1	4.7	0.15	10	1.00	7.1	4.7	0.15	10
1.00	2.11	1.39	0.167	10 & 10	1.00	2.11	1.39	0.167	10 & 10
1.00	6.8	4.6	0.15	10	1.00	6.1	4.1	0.15	10

†1.25 and 1.35 for 1st 10 h.p. 1.00 for all additional h.p.
Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,200 volts.

STATEMENT

Lighting Rates in

Municipality	1922								
	Domestic				Commercial				
	Service charge per 100 sq. ft.	1st 3 kw-hr per 100 sq. ft. per kw-hr.	All additional per kw-hr	Minimum net monthly bill	1st 30 hr. per kw-hr	Next 70 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	Prompt payment discount
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Acton	3	3	1.5	0.75	6	3	0.6	0.75	10
Agincourt	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ailsa Craig	3	5	2	0.75	10	5	1.0	0.75	10
Alexandria	3	7	2	1.50	14	7	1.4	2.00	10
Alliston	3	6	2	1.00	12	6	1.2	1.00	10
Alvinston	3	8	2	1.50	16	8	1.6	1.50	10
Ancaster	3	5	2	0.75	10	5	1	0.75	10
Apple Hill	3	7	2	1.50	14	7	1.4	2.00	10
Arthur	3	8	2	1.50	16	8	1.6	1.50	10
Aylmer	3	4	2	0.75	8	4	0.8	0.75	10
Ayr	3	4	2	1.00	8	4	0.8	1.00	10
Baden	3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
Barrie	3	2	1	0.75	4	2	0.4	0.75	10+10
Barton Twp	3	3	1.5	.....	5	2.5	0.15	1.00	10
Beachville	3	3	1.5	.....	6	3	0.6	0.75	10
Beaverton	3	4.5	2	1.25	9	4.5	0.9	1.25	10
Beeton	3	8	2	1.50	16	8	1.6	1.50	10
Belle River	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blenheim	3	4.5	2	0.75	9	4.5	0.9	0.75	10
Bloomfield	3	7	2	1.00	14	7	1.4	1.00	10
Bolton	3	6	2	1.00	12	6	1.2	1.00	10
Bothwell	3	5	2	1.00	10	5	1.0	1.00	10
Bradford	3	8	2	1.50	16	8	1.6	1.50	10
Brampton	3	2	1	0.75	4	2	0.4	0.75	10
Brantford	3	2	1	0.75	3.5	1.75	0.35	0.75	10
Brantford Twp	3	3	1.5	1.00	6	3	0.6	1.00	10
Brechin	3	8	2	1.50	16	8	1.6	1.50	10
Bridgeport	3		Kitch	ener rat	e+10%				
Brigden	3	6	2	1.00	12	6	1.2	1.00	10
Brockville	3	6	2	1.00	12	6	1.2	1.00	10
Bullock's Corners and Greensville	3	4	2	.....	8	4	0.8	1.00	10
Burford	3	7	2	1.50	14	7	1.4	1.50	10
Burgessville	3	5.5	2	0.75	11	5.5	1.1	0.75	10
Caledonia	3	3	1.5	0.75	6	3	0.6	0.75	10
Cannington	3	5	2	1.50	10	5	1	1.50	10
Carleton Place	3	4.5	2	1.00	9	4.5	0.9	1.00	10
Chatham	3	3	1.5	0.75	6	3	0.6	0.75	10
Chatsworth	3	7	2	1.50	14	7	1.4	1.50	10
Chesley	3	6	2	1.25	12	6	1.2	1.25	10
Chesterville	3	7	2	1.50	14	7	1.4	1.50	10
Chippawa	3	4	2	1.00	8	4	0.8	1.00	10
Clinton	3	3.5	1.75	0 75	7	3.5	0.7	0.75	10
Coldwater	3	5	2	1.00	10	5	1	1.00	10
Collingwood	3	3	1.5	1.00	6	3	0.6	1.00	10
Comber	3	6	2	1.25	12	6	1.2	1.25	10

"G"

Hydro Municipalities

1923

Domestic				Commercial				
Service charge per 100 sq. ft.	1st 3 kw-hr. per 100 sq. ft. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	1st 30 hr. per kw-hr.	Next 70 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
3	3	1.5	0.75	6	3	0.6	0.75	10
3	5.5	2	0.75	11	5.5	1.1	0.75	10
3	4	2	0.75	8	4	0.8	0.75	10
3	7	2	1.50	14	7	1.4	2.00	10
3	6	2	1.00	12	6	1.2	1.00	10
3	8	2	1.50	16	8	1.6	1.50	10
3	5	2	0.75	10	5	1	0.75	10
3	7	2	1.50	14	7	1.4	2.00	10
3	8	2	1.50	16	8	1.6	1.50	10
3	3	1.5	0.75	6	3	0.6	.75	10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10+10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	4	2	1.00	8	4	0.8	1.00	10
3	6	2	1.50	12	6	1.2	1.50	10
3	8	2	1.50	16	8	1.6	1.50	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	7	2	1.00	14	7	1.4	1.00	10
3	6	2	1.00	12	6	1.2	1.00	10
3	4	2	1.00	8	4	0.8	1.00	10
3	8	2	1.50	16	8	1.6	1.50	10
3	2	1	0.75	4	2	0.4	0.75	10
3	2	1	0.75	3.5	1.75	0.35	0.75	10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	8	2	1.50	16	8	1.6	1.50	10
3		Kitchener rate		+ 10%				
3	6	2	1.00	12	6	1.2	1.00	10
3	5	2	1.00	10	5	1	1.00	10
3	4	2	.....	8	4	0.8	1.00	10
3	6	2	1.25	12	6	1.2	1.25	10
3	5.5	2	0.75	11	5.5	1.1	0.75	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	4	2	1.25	8	4	0.8	1.25	10
3	4	2	1.00	8	4	0.8	1.00	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	6	2	1.50	12	6	1.2	1.50	10
3	5	2	1.00	10	5	1	1.00	10
3	6	2	1.50	12	6	1.2	1.50	10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	4	2	1.00	8	4	0.8	1.00	10
3	2	1	1.00	4	2	0.4	1.00	10
3	5	2	1.25	10	5	1	1.25	10

STATEMENT

Lighting Rates in

Municipality	1922								
	Domestic				Commercial				Prompt payment discount
	Service charge per 100 sq. ft.	1st 3 kw-hr per 100 sq. ft. per kw-hr.	All additional per kw-hr	Minimum net monthly bill	1st 30 hr. per kw-hr	Next 70 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Cookstown	3	7	2	1.50	14	7	1.4	1.50	10
Creemore	3	6	2	1.00	12	6	1.2	1.00	10
Dashwood	3	7	2	0.75	14	7	1.4	1.25	10
Delaware	3	6	2	1.25	12	6	1.2	1.25	10
Dorchester	3	5	2	0.75	10	5	1	0.75	10
Drayton	3	6	2	1.25	12	6	1.2	1.25	10
Dresden	3	4	2	0.75	8	4	0.8	0.75	10
Drumbo	3	6	2	1.00	12	6	1.2	1.00	10
Dublin	3	7	2	1.50	14	7	1.4	1.50	10
Dundalk	3	5.5	2	1.00	11	5.5	1.1	1.00	10
Dundas	3	2	1	0.75	5	2	0.15	0.75	10
Dunnville	3	5	2	0.75	10	5	1	0.75	10
Durham	3	5	2	1.00	10	5	1	1.00	10
Dutton	3	3	1.5	0.75	6	3	0.6	0.75	10
Elmira	3	3	1.5	0.75	6	3	0.6	0.75	10
Elmvale	3	4.5	2	1.00	9	4.5	0.9	1.00	10
Elmwood	3	6	2	1.50	12	6	1.2	1.50	10
Elora	3	3	1.5	0.75	6	3	0.6	0.75	10
Embro	3	7.5	2	1.50	15	7.5	1.5	1.50	10
Etobicoke Twp.	3	4	2	0.75	8	4	0.8	0.75	10
Exeter	3	4	2	0.75	8	4	0.8	0.75	10
Fergus	3	3.5	1.75	0.75	7	3.5	0.7	0.75	10
Flesherton	3	5	2	1.50	10	5	1	1.50	10
Ford City	3	3	1.5	0.75	6	3	0.6	0.75	10
Forest	3	6	2	1.00	12	6	1.2	1.00	10
Galt	3	2	1	0.75	4	2	0.4	0.75	10
Gamebridge	3+50c	8	4	1.50	16	8	1.6	1.50	10
Georgetown	3	2	1	0.75	4	2	0.4	0.75	10
Glencoe	3	6	2	1.00	12	6	1.2	1.00	10
Glen Williams, ext.	3	4	2	0.75	8	4	0.8	0.75	10
Goderich	3	3.5	1.75	0.75	7	3.5	0.7	0.75	10
Grand Valley	3	8	2	1.50	16	8	1.6	1.50	10
Grantham Twp.				Rural	Rates				
Granton	3	5	2	1.00	10	5	1	1.00	10
Gravenhurst	3	4.5	2	1.00	9	4.5	0.9	1.00	10
Guelph	3	2	1	0.75	4	2	0.4	0.75	10
Hagersville	3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
Hamilton	3	2	1	0.75	3.5	1.75	0.35	0.75	10
Hanover	3	4	2	1.00	8	4	0.8	1.00	10
Harriston	3	4	2	1.00	8	4	0.8	1.00	10
Havelock	3	6	2	0.75	12	6	1.2	0.75	10
Hensall	3	6	2	1.00	12	6	1.2	1.00	10
Hespeler	3	3	1.5	1.00	6	3	0.6	0.75	10
Highgate	3	6	2	1.00	12	6	1.2	1.00	10
Holstein	3	9	2	1.50	18	9	1.8	1.50	10

"G"—Continued

Hydro Municipalities

1923

Domestic				Commercial				
Service charge per 100 sq. ft.	1st 3 kw-hr. per 100 sq. ft. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	1st 30 hr. per kw-hr.	Next 70 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
3	6	2	1.50	12	6	1.2	1.50	10
3	4	2	1.00	8	4	0.8	1.00	10
3	7	2	1.25	14	7	1.4	1.25	10
3	6	2	1.25	12	6	1.2	1.25	10
3	4	2	0.75	8	4	0.8	0.75	10
3	6	2	1.25	12	6	1.2	1.25	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	5	2	1.00	10	5	1	1.00	10
3	6	2	1.50	12	6	1.2	1.50	10
3	4	2	1.00	8	4	0.8	1.00	10
3	2	1	0.75	5	2.5	0.5	0.75	10
3	4	2	0.75	8	4	0.8	0.75	10
3	4	2	1.00	8	4	0.8	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	5	2	1.25	10	5	1	1.25	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	6	2	1.50	12	6	1.2	1.50	10
3	4	2	0.75	8	4	0.8	0.75	10
3	3.5	1.75	0.75	7	3.5	0.7	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	4	2	1.50	8	4	0.8	1.50	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	5	2	1.00	10	5	1	1.00	10
3	2	1	0.75	4	2	0.4	0.75	10
3+50c	8	2	1.50	16	8	1.6	1.50	10
3	2	1	0.75	4	2	0.4	0.75	10
3	5	2	1.00	10	5	1	1.00	10
3	4	2	0.75	8	4	0.8	0.75	10
3	3.5	1.75	0.75	7	3.5	0.7	0.75	10
3	6	2	1.25 Rural	12 Rates	6	1.2	1.25	10
3	4	2	1.00	8	4	0.8	1.00	10
3	3.5	1.75	1.00	7	3.5	0.7	1.00	10
3	2	1	0.75	4	2	0.4	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	2	1	0.75	3.5	1.75	0.35	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	4	2	1.00	8	4	0.8	1.00	10
3	6	2	0.75	12	6	1.2	0.75	10
3	6	2	1.25	12	6	1.2	1.25	10
3	2.5	1.25	1.00	5	2.5	0.5	0.75	10
3	5	2	1.00	10	5	1	1.00	10
3	9	2	1.50	18	9	1.8	1.50	10

STATEMENT

Lighting Rates in

Municipality	1922								
	Domestic				Commercial				
	Service charge per 100 sq. ft.	1st 3 kw-hr per 100 sq. ft. per kw-hr	All additional per kw-hr	Minimum net monthly bill	1st 30 hr. per kw-hr	Next 70 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	Prompt Payment discount
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Hornings Mills	3	7	3.5	1.50	14	7	1.4	1.50	10
Huntsville	3	6	2	1.00	12	6	1.2	1.00	10
Ingersoll	3	2	1	0.75	4	2	0.4	0.75	10
Kemptville	3	8	2	1.65	16	8	1.6	2.50	10
Kincardine	3	6	2	1.50	12	6	1.2	1.50	10
Kingston	3	3.5	1.75	0.75	7	3.5	0.4	0.75	10
Kirkfield	3	6	2	1.50	12	6	1.2	1.50	10
Kitchener	3	2	1	0.75	4	2	0.4	0.75	10
Lakefield	3	6	2	1.00	12	6	1.2	1.00	10
Lambeth	3	6	2	1.25	12	6	1.2	1.25	10
Lanark	3	8	2	1.65	16	8	1.6	2.50	10
Lancaster	3	8	2	1.75	16	8	1.6	2.50	10
Listowel	3	4	2	0.75	8	4	0.8	0.75	10
London	3	2	1	0.75	4	2	0.4	0.75	10
London Twp. V. A.	3	3	1.5	.....	.....	.....	.....	.....	.....
Lucan	3	4	2	0.75	8	4	0.8	0.75	10
Lucknow	3	7.5	2	1.50	15	7.5	1.5	1.50	10
Lynden	3	4.5	2	1.50	9	4.5	0.9	1.50	10
Markdale	3	4	2	1.00	8	4	0.8	1.00	10
Markham	3	7	2	1.00	14	7	1.4	1.00	10
Marmora	3	7	2	1.00	14	7	1.4	1.00	10
Martintown	3	7	2	1.50	14	7	1.4	2.00	10
Maxville	3	8	2	1.50	16	8	1.6	2.00	10
Merlin	.....	.....	.....	.....	.....	.....	.....	.....	.....
Merritton	3	2	1	0.75	4	2	0.4	0.75	10
Midland	3	3	1.5	0.75	6	3	0.6	0.75	10
Milton	3	3	1.5	0.75	6	3	0.6	0.75	10
Milverton	3	3.5	1.75	0.75	7	3.5	0.7	0.75	10
Mimico	3	2	1	0.75	4	2	0.4	0.75	10
Mitchell	3	3	1.5	0.75	6	3	0.6	0.75	10
Moorefield	3	7	2	1.50	14	7	1.4	1.50	10
Mount Brydges	3	6	2	1.25	12	6	1.2	1.25	10
Mount Forest	3	5.5	2	1.00	11	5.5	1.1	1.00	10
Neustadt	3	7	2	1.50	14	7	1.4	1.50	10
Newbury	3	8	2	1.00	16	8	1.6	1.00	10
New Hamburg	3	3	1.5	0.75	6	3	0.6	0.75	10
New Toronto	3	3	1.5	0.75	6	3	0.6	0.75	10
Niagara Falls	3	2	1	0.75	4	1.5	0.15	0.75	10
Niagara-on-the-Lake	3	3	1.5	0.75	6	3	0.6	0.75	10
Norwich	3	3	1.5	0.75	6	3	0.6	0.75	10
Norwood	3	5	2	0.75	10	5	1	0.75	10
Oil Springs	3	5	2	1.00	10	5	1	1.00	10
Omemee	3	5	2	1.00	10	5	1	1.00	10
Orangeville	3	5	2	1.00	10	5	1	1.00	10
Ottawa	3	2	1.5	0.75	4	2	0.4	0.75	10

"G"—Continued

Hydro Municipalities

1923

Domestic				Commercial				
Service charge per 100 sq. ft.	1st 3 kw-hr. per 100 sq. ft. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	1st 30 hr. per kw-hr.	Next 70 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
3	7	2	1.50	14	7	1.4	1.50	10
3	6	2	1.00	12	6	1.2	1.00	10
3	2	1	0.75	4	2	0.4	0.75	10
3	6	2	1.50	12	6	1.2	2.00	10
3	6	2	1.50	12	6	1.2	1.50	10
3	3.5	1.75	0.75	7	3.5	0.7	0.75	10
3	5	2	1.50	10	5	1	1.50	10
3	2	1	0.75	4	2	0.4	0.75	10
3	6	2	1.00	12	6	1.2	1.00	10
3	5	2	1.25	10	5	1	1.25	10
3	7	2	1.50	14	7	1.4	2.00	10
3	8	2	1.75	16	8	1.6	2.50	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
6	4	2	1.00	8	4	0.8	1.00	10
3	4	2	0.75	8	4	0.8	0.75	10
3	6	2	1.50	12	6	1.2	1.50	10
3	4	2	1.25	8	4	0.8	1.25	10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	6	2	1.00	12	6	1.2	1.00	10
3	7	2	1.00	14	7	1.4	1.00	10
3	7	2	1.50	14	7	1.4	2.00	10
3	8	2	1.50	16	8	1.6	2.00	10
3	8	2	1.80	16	8	1.6	2.25	10
3	2	1	0.75	4	2	0.4	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	3.5	1.75	0.75	7	3.5	0.7	0.75	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	7	2	1.50	14	7	1.4	1.50	10
3	5	2	1.25	10	5	1	1.25	10
3	4	2	1.00	8	4	0.8	1.00	10
3	6	2	1.50	12	6	1.2	1.50	10
3	8	2	1.00	16	8	1.6	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	2	1	0.75	4	1.5	0.15	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	5	2	0.75	10	5	1	0.75	10
3	5	2	1.00	10	5	1	1.00	10
3	5	2	1.00	10	5	1	1.00	10
3	5	2	1.00	10	5	1	1.00	10
3	2	1.5	0.75	4	2	0.4	0.75	10

STATEMENT

Lighting Rates in

Municipality	1922								
	Domestic				Commercial				
	Service charge per 100 sq. ft.	1st 3 kw-hr per 100 sq. ft. per kw-hr	All additional per kw-hr	Minimum net monthly bill	1st 30 hr. per kw-hr	Next 70 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	Prompt payment discount
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Otterville	3	5	2	0.75	10	5	1	0.75	10
Owen Sound	3	3	1.5	0.75	6	3	0.6	0.75	10
Paisley	.....	.....	.....	.....	.....	.....	.....	.....	.....
Palmerston	3	3	1.5	0.75	6	3	0.6	0.75	10
Paris	3	2	1	0.75	4	2	0.4	0.75	10
Parkhill	3	7	2	1.25	14	7	1.4	1.25	10
Penetang	3	4	2	1.00	8	4	0.8	1.00	10
Perth	3	5	2	1.00	10	5	1.0	1.00	10
Peterboro'	3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
Petrolia	3	3	1.5	0.75	6	3	0.6	0.75	10
Plattsville	3	6	2	1.00	12	6	1.2	1.00	10
Picton	3	4	2	0.75	8	4	0.8	0.75	10
Point Edward	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Arthur	3	2	1	0.75	5	2.5	0.5	0.75	10
Port Colborne	3	3	1.5	0.75	6	3	0.6	0.75	10
Port Credit	3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
Port Dalhousie	3	4.5	2	0.75	9	4.5	0.9	0.75	10
Port Dover	3	6	2	1.25	12	6	1.2	1.25	10
Port McNicoll	3	5	2	1.25	10	5	1	1.25	10
Port Perry	3	8	2	2.00	16	8	1.6	1.00	10
Port Robinson, ext.	3	3	1.5	0.75	6	3	0.6	0.75	10
Port Stanley	3	4	2	0.75	8	4	0.8	0.75	10
Prescott	3	4	2	1.25	8	4	0.8	1.25	10
Preston	3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
Priceville	3	7.5	2	1.50	15	7.5	1.5	1.50	10
Princeton	3	7.5	2	1.50	15	7.5	1.5	1.50	10
Queenston	3	3	1.5	1.25	6	3	0.6	1.25	10
Ridgetown	3	3	1.5	0.75	6	3	0.6	0.75	10
Ripley	3	7.5	2	1.50	15	7.5	1.5	1.50	10
Riverside	3	5	2	0.75	10	5	1	0.75	20
Rockwood	3	4	2	1.00	8	4	0.8	1.00	10
Rodney	3	5	2	0.75	10	5	1.0	0.75	10
St. Catharines	3	2	1	0.75	3.5	1.75	0.35	0.75	10
St. Clair Beach	3	7	2	2.00	14	7	1.4	2.00	10
St. George	3	4	2	1.00	8	4	0.8	1.00	10
St. Jacobs	3	4	2	1.00	8	4	0.8	1.00	10
St. Marys	3	3	1.5	0.75	6	3	0.6	0.75	10
St. Thomas	3	2	1	0.75	4	2	0.4	0.75	10
Sandwich	3	4	2	0.75	8	4	0.8	0.75	10
Sarnia	3	3	1.5	0.75	6	3	0.6	0.75	10
Scarboro Twp	3	5	2	0.75	10	5	1	0.75	10
Seaforth	3	3	1.5	0.75	6	3	0.6	0.75	10
Sebringville, ext.	3	5	2	0.75	10	5	1	0.75	10
Shelburne	3	5.5	2	1.25	11	5.5	1.1	1.25	10
Simcoe	3	2.5	1.25	0.75	5	2.5	0.5	0.75	10

"G"—Continued

Hydro Municipalities

1923

Domestic				Commercial				
Service charge per 100 sq. ft.	1st 3 kw-hr. per 100 sq. ft. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	1st 30 hr. per kw-hr.	Next 70 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
3	4	2	1.00	8	4	8	1.00	10
3	2	1	0.75	4	2	0.4	0.75	10
3	8	2	2.00	16	8	1.6	1.50 to 3.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	5	2	1.25	10	5	1	1.25	10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	4	2	1.00	8	4	0.8	1.00	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	6	2	1.50	12	6	1.2	1.50	10
3	4	2	0.75	8	4	0.8	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	2	1	0.75	5	2.5	0.5	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	4	2	0.75	8	4	0.8	0.75	10
3	6	2	1.25	12	6	1.2	1.25	10
3	4	2	1.25	8	4	0.8	1.25	10
3	8	2	2.00	16	8	1.6	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	4	2	0.75	8	4	0.8	0.75	10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	8	2	1.50	16	8	1.6	1.50	10
3	6	2	1.50	12	6	1.2	1.50	10
3	3	1.5	1.25	6	3	0.6	1.25	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	7.5	2	1.50	15	7.5	1.5	1.50	10
3	5	2	1.25	10	5	1	1.25	10
3	3	1.5	1.00	6	3	0.6	1.00	10
3	4	2	0.75	8	4	0.8	0.75	10
3	2	1	0.75	3.5	1.75	0.35	0.75	10
3	7	2	2.00	14	7	1.4	2.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	4	2	1.00	8	4	0.8	1.00	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	4	2	0.75	8	4	0.8	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	4	2	0.75	8	4	0.8	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	5	2	0.75	10	5	1	0.75	10
3	5	2	1.25	10	5	1	1.25	10
3	2	1	0.75	4	2	0.4	0.75	10

STATEMENT

Lighting Rates in

Municipality	1922								
	Domestic				Commercial				
	Service charge per 100 sq. ft.	1st 3 kw-hr per 100 sq. ft. per kw-hr	All additional per kw-hr	Minimum net monthly bill	1st 30 hr. per kw-hr	Next 70 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	Prompt payment discount
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Smiths Falls	3	5	2	1.00	10	5	1	1.00	10
Springfield	3	7	2	1.00	14	7	1.4	1.00	10
Stamford Twp.	3	3	1.5	0.75	6	3	0.6	0.75	10
Stayner	3	5	2	1.00	10	5	1	1.00	10
Stouffville	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stratford	3	2	1	0.75	4	2	0.4	0.75	10
Strathroy	3	3	1.5	0.75	6	3	0.6	0.75	10
Sunderland	3	8	2	1.50	16	8	1.6	1.50	10
Sutton	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tara	3	8	2	1.50	16	8	1.6	1.50	10
Tavistock	3	2.5	1.25	1.00	5	2.5	0.5	1.00	10
Tecumseh	3	5	2	1.50	10	5	1	1.50	10
Teeswater	3	5	2	1.50	10	5	1	1.50	10
Thamesford	3	6	2	0.75	12	6	1.2	0.75	10
Thamesville	3	5	2	1.00	10	5	1	1.00	10
Thedford	3	9	2	1.50	18	9	1.8	1.50	10
Thorndale	3	6.5	2	1.25	13	6.5	1.3	1.25	10
Thornton	3	7	2	1.50	14	7	1.4	1.50	10
Thorold	3	2	1	0.75	5	2	0.5	0.75	10
Tilbury	3	5	2	1.25	10	5	1	1.25	10
Tillsonburg	3	3	1.5	0.75	6	3	0.6	0.75	10
Toronto	3	2	1	0.75	5	3	1	0.75	10
Toronto Twp.	1.50	4	2	.....	.....	.....	.....	.....	.....
Tottenham	3	8	2	1.50	16	8	1.6	1.50	10
Uxbridge	3	8	2	2.00	16	8	1.6	1.00	10
Vaughan Twp.				Rural	Rates				
Victoria Harbor	3	5	2	1.00	10	5	1	1.00	10
Walkerville	3	3	1.5	0.75	6	3	0.6	0.75	10
Wallaceburg	3	4	2	0.75	8	4	0.8	0.75	10
Wardsville	3	8	2	1.50	16	8	1.6	1.50	10
Warkworth	.....	.....	.....	.....	.....	.....	.....	.....	.....
Waterdown	3	3	1.5	0.75	6	3	0.6	0.75	10
Waterford	3	3	1.5	0.75	6	3	0.6	0.75	10
Waterloo	3	2	1	0.75	4	2	0.4	0.75	10
Watford	3	6	2	1.00	12	6	1.2	1.00	10
Waubaushene	3	6	2	1.00	12	6	1.2	1.00	10
Welland	3	2	1	0.75	4	2	0.4	0.75	10
Wellesley	3	4	2	1.00	8	4	0.8	1.00	10
Wellington	3	6	2	1.00	12	6	1.2	1.00	10
West Hamilton, ext.	3	4	2	.....	8	4	0.8	0.75	10
West Lorne	3	5	2	0.75	10	5	1	0.75	10
Weston	3	2	1	0.75	4	2	0.4	0.75	10
Williamsburg	3	6	2	1.50	12	6	1.2	1.50	10
Winchester	3	6	2	1.50	12	6	1.2	1.50	10
Windsor	3	3	1.5	0.75	6	3	0.6	0.75	10

"G"—Continued

Hydro Municipalities

1923

Domestic				Commercial				
Service charge per 100 sq. ft.	1st 3 kw-hr. per 100 sq. ft. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	1st 30 hr. per kw-hr.	Next 70 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
3	5	2	1.00	10	5	1	1.00	10
3	6	2	1.00	12	6	1.2	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	4	2	1.00	8	4	0.8	1.00	10
3	8	2	1.00	16	8	1.6	1.00	10
3	2	1	0.75	4	2	0.4	0.75	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	6	2	1.25	12	6	1.2	1.25	10
2	8	2	1.00	16	8	1.6	1.00	10
3	8	2	1.50	16	8	1.6	1.50	10
3	2.5	1.25	1.00	5	2.5	0.5	1.00	10
3	5	2	1.50	10	5	1	1.50	10
3	5	2	1.50	10	5	1	1.50	10
3	5	2	1.00	10	5	1	1.00	10
3	4	2	1.00	8	4	0.8	1.00	10
3	8	2	1.50	16	8	1.6	1.50	10
3	6	2	1.25	12	6	1.2	1.25	10
3	7	2	1.50	14	7	1.4	1.50	10
3	2	1	0.75	5	2	0.5	0.75	10
3	4	2	1.00	8	4	0.8	1.00	10
3	2.5	1.25	0.75	5	2.5	0.5	0.75	10
3	2	1	0.75	5	3	1	0.75	10
1.50	4	2	.....	.....	.....	.....	.....	.....
3	7	2	1.50	14	7	1.4	1.50	10
3	8	2	2.00	16	8	1.6	1.00	10
			Rural	Rates				
3	4	2	1.00	8	4	0.8	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	8	2	1.50	16	8	1.6	1.50	10
3	8	2	2.00–3.15	16	8	1.6	2.00–3.15	10
3	2	1	0.75	4	2	0.4	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	5	2	1.00	10	5	1	1.00	10
3	4	2	1.00	8	4	0.8	1.00	10
3	2	1	0.75	4	2	0.4	0.75	10
3	4	2	1.00	8	4	0.8	1.00	10
3	6	2	1.00	12	6	1.2	1.00	10
3	4	2	.....	8	4	0.8	0.75	10
3	4	2	0.75	8	4	0.8	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	5	2	1.50	10	5	1	1.50	10
3	5	2	1.25	10	5	1	1.25	10
3	3	1.5	0.75	6	3	0.6	0.75	10

STATEMENT

Lighting Rates in

Municipality	1922								
	Domestic				Commercial				Prompt payment discount
	Service charge per 100 sq. ft.	1st 3-kw-hr per 100 sq. ft. per kw-hr	All additional per kw-hr	Minimum net monthly bill	1st 30 hr. per kw-hr	Next 70 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Wingham	3	6	2	1.00	12	6	1.2	1.00	10
Woodbridge	3	3	1.5	0.75	6	3	0.6	0.75	10
Woodstock	3	2	1	0.75	4	2	0.4	0.75	10
Woodville	3	7	2	1.50	14	7	1.4	1.50	10
Wyoming	3	7.5	2	1.00	15	7.5	1.5	1.00	10
York Twp.	3	3	1.5	0.75	6	3	0.6	0.75	10
Zurich	3	6	2	1.25	12	6	1.2	1.25	10

"G"—Concluded

Hydro Municipalities

1923

Domestic				Commercial				
Service charge per 100 sq. ft.	1st 3 kw-hr. per 100 sq. ft. per. kw-hr.	All additional per kw-hr.	Minimum net monthly bill	1st 30 hr. per kw-hr.	Next 70 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
3	5	2	1.00	10	5	1	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	2	1	0.75	4	2	0.4	0.75	10
3	6	2	1.25	12	6	1.2	1.25	10
3	6	2	1.00	12	6	1.2	1.00	10
3	3	1.5	0.75	6	3	0.6	0.75	10
3	5	2	1.25	10	5	1	1.25	10

APPENDIX I

ACTS

Chapter 12, 1923.

An Act to amend the Power Commission Act.

Assented to 8th May, 1923.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

1. This Act may be cited as *The Power Commission Act, 1923.* Short title.

2. By-law No. B1343 of the Corporation of the Town of Brockville; By-laws Nos. 37 and 38 of the Corporation of the Town of Riverside; By-laws Nos. 20 and 21 of the Corporation of the Town of Tecumseh; By-laws Nos. 283 and 308 of the Corporation of the Town of Ford City; By-law No. 769 of the Corporation of the Village of Port Perry; By-laws Nos. 6, 6*a*, 7 and 9 of 1922 of the Corporation of the Village of Belle River; By-laws Nos. 43, 44 and 45 of the Corporation of the Village of St. Clair Beach; By-law No. 1096 of the Corporation of the Township of Scarborough; By-laws Nos. 934, 937 and 949 of the Corporation of the Township of Toronto; By-law No. 846 of the Corporation of the Township of Mariposa; By-law No. 14 of 1922 of the Corporation of the Township of Lancaster; By-law No. 782 of the Corporation of the Township of Saltfleet; By-law No. 305 of the Corporation of the Township of Oakland; By-law No. 4 of 1922 of the Corporation of the Township of Blandford; By-law No. 654 of the Corporation of the Township of West Oxford; By-law No. 847 of the Corporation of the Township of East Oxford; By-law No. 354 of the Corporation of the Township of Clinton; By-law No. 6 of 1922 of the Corporation of the Township of Usborne; By-law No. 720 of the Corporation of the Township of Rochester; By-law No. 951 of the Corporation of the Township of East Zorra; By-law No. 706 of the Corporation of the Township of Woolwich; By-law No. 139A of the Corporation of the Township of Waterloo; By-law No. 402 of the Corporation of the Township of Grantham; By-law No. 675 of the Corporation of the Township of Anderdon; By-law No. 117 of the Corporation of the Township of Kingston; By-law No. 1093 of the Corporation of the Township of Vaughan; By-law No. 627 of the Corporation of the Township of Lobo; By-law No. 1430 of the Corporation of the Township of Reach; By-law No. 583 of the Corporation of the Township of Sandwich West; By-law No. 505 of the Corporation By-laws confirmed.

of the Township of Sandwich South; By-law No. 615 of the Corporation of the Township of Easthope South; By-law No. 594 of the Corporation of the Township of Easthope North; By-law No. 889 of the Corporation of the Township of Maidstone; By-law No. 868 of the Corporation of the Township of Ekfrid; By-law No. 4 of 1922 of the Corporation of the Township of Hay; By-law No. 669 of the Corporation of the Township of Ancaster; By-law No. 739 of the Corporation of the Township of Blenheim; By-law No. 291 of the Corporation of the Township of Stephen; By-law No. 312 of the Corporation of the Township of Woodhouse; By-law No. 1001 of the Corporation of the Township of Bosanquet; By-law No. 471 of the Corporation of the Township of Oro; By-law No. 13 of the Corporation of the Township of Brant; By-laws Nos. 776 and 798 of the Corporation of the Township of London; By-law No. 4 of 1922 of the Corporation of the Township of Moore; By-laws Nos. 173 and 190 of the Corporation of the Village of Marmora; By-law No. 292 of the Corporation of the Township of Gosfield South; By-law No. 551 of the Corporation of the Township of North Dumfries; By-law No. 883 of the Corporation of the Township of Southwold; By-law No. 625 of the Corporation of the Town of Penetanguishene; and By-laws Nos. 511 and 512 of the Corporation of the Village of Stouffville and all debentures issued or to be issued, or purporting to be issued under any of the said By-laws which authorize the issue of debentures, are confirmed and declared to be legal, valid and binding upon such corporations and the ratepayers thereof, respectively, and shall not be open to question upon any ground whatsoever, notwithstanding the requirements of *The Power Commission Act* or the amendments thereto, or any other Act of this Legislature.

Commencement of Act.

3. This Act shall come into force and take effect on the day upon which it receives the Royal Assent.

Chapter 13, 1923.

An Act to amend The Rural Hydro-Electric Distribution Act, 1921.

Assented o 8th May, 1923.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

Short title.

1. This Act may be cited as *The Rural Hydro-Electric Distribution Act, 1923.*

2. Section 4*a* of *The Rural Hydro-Electric Distribution Act, 1921*, as enacted by section 2 of *The Rural Hydro-Electric Distribution Act, 1922*, is repealed and the following substituted therefor:— 1922, c. 32, s. 2 repealed.

Payment of grant where municipality is distributor of power.

4*a*. Where the corporation of a township or of an urban municipality supplies or distributes electrical power or energy in an adjoining township or within any such rural power district under the provisions of section 24 of *The Public Utilities Act*, or under any other general or special Act, there may be paid to such corporation upon the recommendation of the Hydro-Electric Power Commission of Ontario and the order of the Lieutenant-Governor in Council, a sum not exceeding fifty per cent. of the capital cost of constructing and erecting in such adjoining township or rural power district, primary transmission lines and cables required for the delivery of power or energy in such adjoining township or any such rural power district.

3. This Act shall come into force and take effect on the day upon which it receives the Royal Assent. Commencement of Act.

Chapter 39, 1923.

An Act respecting Actions for Negligence against Hydro-Electric Railways.

Assented to 8th May, 1923.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

1. This Act may be cited as *The Hydro-Electric Negligence Act, 1923*. Short title.

2. Notwithstanding anything contained in any other Act, it shall not be necessary to secure the consent of the Attorney-General before commencing any action against the Hydro-Electric Power Commission of Ontario for damages arising through the negligence of the agents, contractors, officers, employees or servants of the said Commission in the construction, equipment or operation of any electric railway constructed or acquired, equipped and operated by the said Commission under the authority of any Act of this Legislature. Consent of Attorney-General not necessary in certain actions.

3. This Act shall come into force on the day upon which it receives the Royal Assent. Commencement of Act.

Chapter 40, 1923.

An Act to amend The Guelph Railway Act, 1921.

Assented to 8th May, 1923.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

Short title.

1. This Act may be cited as *The Guelph Railway Act, 1923.*

1921, c. 22, s. 4, subs. 1 amended.

2. Subsection 1 of section 4 of *The Guelph Railway Act, 1921*, is amended by striking out the words "at the rate of six per cent. per annum" in the third line, and inserting in lieu thereof the words "at a rate not exceeding six per cent. per annum" and by striking out the word "twenty" in the fourth line and inserting in lieu thereof the word "fifty" so that the subsection will now read as follows:—

Bond issue by Commission.

(1) The Commission is authorized to issue bonds dated the 1st day of May, 1921, and bearing interest at a rate not exceeding six per cent. per annum payable half-yearly, and maturing not more than fifty years from the said date to the amount of $150,000.

1921, c. 22, s. 5, subs. 1, amended.

3. Subsection 1 of section 5 of *The Guelph Railway Act, 1921*, is amended by striking out the words "six per cent. per annum" in the fourth line and inserting in lieu thereof the words "five per cent. per annum" so that the subsection will now read as follows:—

Issue of debentures.

(1) The Corporation is authorized to issue debentures to an amount not exceeding $300,000, payable in fifty years from the 1st day of May, 1921, and bearing interest at the rate of five per cent per annum, payable half-yearly at the Bank of Montreal at Toronto.

Deposit of further debentures.

4. Notwithstanding anything contained in *The Guelph Railway Act, 1921*, or in the agreement set out in the Schedule to the said Act, it shall not be necessary for the municipal corporation of the City of Guelph to issue and deposit with the Hydro-Electric Power Commission any debentures in addition to the debentures to the amount of $300,000 already so issued and deposited under the authority of section 5 of the said Act until the amount of the bonds issued by the said Commission under the authority of section 4 of the said Act shall exceed the said sum of $300,000, but the said municipal corporation shall from time to time thereafter upon the requisition in writing of the Commission, issue and deposit with the Commission further similar debentures for the same amount as any increase of the bond issue of the Commission to cover the capital cost of extensions, improvements or additional works or equipment of the said railway, as provided in subsection 3 of section 4 of the said Act.

Commencement of Act.

5. This Act shall come into force and take effect on the day upon which it receives the Royal Assent.

APPENDIX II

TRANSMISSION LINE RECORDS

Corrected to October 31, 1923

including

Summaries of data respecting mileage of transmission lines built or acquired by the Hydro-Electric Power Commission. The sizes, materials, lengths and weights of conductors, and other particulars of the 110,000-volt steel-tower transmission lines, the wood-pole transmission lines and the telephone lines. Also detailed descriptions of the individual lines classified under the various systems.

TRANSMISSION LINE RECORDS

The total mileage of lines built and acquired by the Commission up to October 31, 1923, for the various systems, excepting rural 4,000-volt districts, is indicated in the following table:

TOTAL MILEAGE OF TRANSMISSION LINES

System	Miles
Niagara system—110,000-volt, steel-tower line	523.04
Niagara system—46,000-volt and less, steel and wood support (see table following)	1,106.36
Ontario Power Company	90.69
Toronto Power Company	246.73
Essex County system	63.83
Severn system	178.54
Eugenia system	316.10
Wasdells system	106.25
Muskoka system	26.32
St. Lawrence system	149.31
Rideau system	81.62
Thunder Bay system	85.60
Central Ontario and Trent system	487.84
Nipissing system	24.70
Total	3,437.93

Note: Of the above the Niagara system, the Ontario Power Company, the Toronto Power Company, and the Essex County system are operated at 25 cycles. The other systems are operated at 60 cycles.

110,000-VOLT STEEL-TOWER TRANSMISSION LINES

Niagara System

Lines completed and under construction to October 31, 1923. Completed 523.04 miles, under construction 9.81 miles. Total, 523.85 miles.

TOTAL MILEAGE OF 110,000-VOLT LINES AND NUMBER OF TOWERS

	To Oct. 31, 1922	Oct. 31, 1922 to Oct. 31, 1923	Total to Oct. 31, 1923
Total mileage completed	513.81	9.23	523.04
Total mileage under construction	.....	9.81	9.81
Total mileage of single-circuit lines completed	62.21	.....	62.21
Total mileage of double-circuit lines completed	451.60	9.23	460.83
Total mileage of double-circuit lines under construction	.....	9.81	9.81
Number of towers erected	4,984	58	5,042
Number of towers under construction	.....	66	66

TOTAL WEIGHTS AND MILEAGE OF CONDUCTORS

Cable	Miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under construction Oct. 31, 1923
S.R.A.C.*	1,947.99	55.38	58.86	5,653,010	228,054	242,255
Copper	948.24	.....	.....	2,817,336	.....	.....
Total	2,896.23	55.38	58.86	8,470,346	228,054	242,255

* Steel-reinforced aluminum conductor.

110,000-VOLT STEEL-TOWER TRANSMISSION LINES—Continued

SIZE, MATERIAL, LENGTH AND WEIGHT OF CONDUCTORS

Size and material	Miles of conductor			Weight in pounds			Miles of single-circuit lines			Miles of double-circuit lines			Total miles single-and double-circuit lines completed Oct. 31, 1923
	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	
605,000 c.m., s.r.al.c.	248.82	55.38	50.76	1,024,640	228,054	209,029	....	....	....	41.47	9.23	8.46	50.70
500,000 c.m., "	236.52	....	8.10	970,205	.....	33,226	....	....	....	39.42	....	1.35	39.42
336,400 c.m., "	571.14	....	....	1,592,338	.....	.....	....	....	....	95.19	....	....	95.19
312,000 c.m., "	583.08	....	....	1,507,261	.....	.....	23.90	....	....	85.23	....	....	109.13
266,800 c.m., "	308.43	....	....	553,566	.....	.....	38.31	....	....	32.25	....	....	70.56
211,600 c.m., copper	331.38	....	....	1,137,627	.....	.....	....	....	....	55.23	....	....	55.23
167,800 c.m., "	616.86	....	....	1,679,709	.....	.....	....	....	....	102.81	....	....	102.81
Total.....	2,896.23	55.38	58.86	8,470,346	228,054	242,255	62.21	....	....	451.60	9.23	9.81	523.04

Note: s.r.al.c.—steel-reinforced aluminum conductor.

WOOD-POLE TRANSMISSION LINES

TOTAL MILEAGE OF WOOD-POLE LINES

In operation October 31, 1923

System	Miles
Niagara system	1,106.36
Essex County system	1.13
Ontario Power Company system	.....
Toronto Power Company system	.....
Severn system	178.54
Eugenia system	316.10
Wasdells system	106.25
Muskoka system	26.32
St. Lawrence system	149.31
Rideau system	81.62
Central Ontario and Trent system	146.72
	2,112.35
110,000-volt wood-pole lines—Thunder Bay system	86.60
Total	2,198.95

WOOD-POLE LINES COMPLETED AND UNDER CONSTRUCTION

For Year Ended October 31, 1923

MILEAGES AT VARIOUS VOLTAGES

Voltages	Miles completed during year	Miles under construction at October 31, 1923	Total miles
44,000	0.60	2.09	2.69
30,000	3.50	.....	3.50
22,000	.....	13.75	13.75
26,400	27.47	2.45	29.92
12,000	29.50	.....	29.50
4,000	26.94	.....	26.94
2,300	3.50	.....	3.50
Total	91.51	18.29*	109.80

*Does not include lines in Rural power districts.

MILEAGES FOR THE VARIOUS SYSTEMS

System	Miles
Niagara system	68.62
Essex County system	.....
Ontario Power Company system	.....
Toronto Power Company system	.....
Severn system	.....
Eugenia system	34.99
Wasdells system	.....
Muskoka system	.....
St. Lawrence system	.....
Rideau system	.....
Thunder Bay system	.....
Central Ontario and Trent system	6.10
Total	109.80

Span miles: single circuit, 105.66, double circuit, 4.14, total, 109.80

MATERIAL AND MILEAGE OF CONDUCTORS

Power Conductors:	MILES
Steel-reinforced aluminum	79.28
Aluminum	2.45
Copper	11.14
Steel	16.93
Total	109.80

Ground Wires and Cables:	
1/4" steel cable	20.10
9/32" " "	....
5/16" " "	9.35
3 x 13" B.W.G. steel cable	....
No. 6 B. & S.G. copper wire	6.44
Total	35.89

Ground Cable:	
Steel	29.45
Iron	.....
Copper	6.49
Total	35.89

Telephone Wire:	
3 x 13 B.W.G. galvanized steel	....
No. 6 B. & S.G. steel-reinforced aluminum	12.63
No. 10 B. & S.G. copper-clad steel	4.14
No. 9 B.W.G. galv. iron	16.70
Total	33.47

Aluminum Conductor:	
No. 2/0 B.&S.G. steel reinforced aluminum	20.67
No. 3/0 " " " "	....
No. 4/0 " " " "	2.69
105,530 c.m. " " "	11.54
No. 2 B.&S.G. " " "	33.68
No. 4 B.&S.G. " " "	10.70
500,000 c.m. aluminum	2.45
Total	81.73

Copper Conductor:	
No. 1 B.&S.G. copper	....
No. 2 " "	....
No. 4 " "	5.70
No. 6 " "	5.44
350,000 c.m. "	....
Total	11.14

Steel Conductor:	
5/16" galv. steel	16.93
Total	16.93

Note: Average spans between poles: 100 ft., 120 ft., 125 ft., 130 ft., 150 ft., 160 ft., and 175 ft.

WOOD-POLE TRANSMISSION AND TELEPHONE LINES

TOTAL MILEAGE OF LINES AND NUMBER OF POLES

Lines	Miles completed		
	To Oct. 31, 1922	Oct. 31, 1922 to Oct. 31, 1923	Totals to Oct. 31, 1923
Low-tension lines completed	2,107.44	91.51	2,198.95
Low-tension lines under construction	.....	18.29	18.29
Single-circuit lines completed	1,620.06	89.82	1,709.88
Double-circuit lines completed	461.17	1.69	462.86
Three-circuit lines completed	5.74	....	5.74
Four-circuit lines completed	20.47	....	20.47
Single-circuit telephone lines completed	1,591.48	15.78	1,607.26
Double-circuit telephone lines completed	68.20	....	68.20
Three-circuit telephone lines completed	0.76	....	0.76
Telephone lines under construction	.....	18.29	18.29
Poles and Towers			
Number of poles erected	79,040	2,406	81,446
Number of towers erected	428	....	428
Number of poles under construction	.....	629	629

TOTAL MILEAGE AND WEIGHT OF CABLE AND WIRE

Cable and wire	Miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under construction Oct. 31, 1923
Aluminum: Transmission	3,512.67	.....	14.70	2,558,513	.....	36,456
Steel-reinforced aluminum: Transmission	2,378.70	195.39	47.52	1,911,634	133,158	29,886
Steel-reinforced aluminum: Telephone	477.99	21.08	4.18	91,023	3,920	4,698
Copper wire: Transmission	1,308.57	33.42	.....	1,801,302	18,613	.....
Copper wire: Telephone	137.16	.....	.....	22,741	.....	.....
Copper-clad steel: Telephone	1,240.18	4.58	4.90	209,477	705	1,275
Galv. iron wire: Transmission	167.28	.....	.....	95,852	.....	.....
Galv. iron wire: Telephone	1,396.14	5.90	27.50	439,805	1,799	10,187
Galv. steel cable: Transmission	577.38	50.79	.....	588,046	54,853	.....
Galv. steel cable: Telephone	348.58	.....	.....	142,587	.....	.....
Total	11,544.65	311.16	98.80	7,860,980	213,048	72,502

Note: This table does not include the Niagara system 110,000-volt, steel-tower lines.

WOOD-POLE TRANSMISSION LINES—Continued

MILEAGES TABULATED ACCORDING TO VOLTAGE AND NUMBER OF CIRCUITS

Voltage	Single circuit totals			Double circuit totals			Three circuit totals			Four circuit totals			1, 2, 3, and 4 circuit totals			
	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1923
110,000	75.61	...	...	...	...	...	...	...	...	...	...	...	75.61	...	...	75.61
46,000 44,000 40,000	294.46	0.60	2.09	5.63	...	...	...	...	...	15.53	...	...	315.62	0.60	2.09	316.22
30,000	...	...	...	1.00	1.00	...	...	...	...	...	...	...	1.00	1.00	...	2.00
26,400	310.48	27.47	...	151.05	...	2.45	1.48	...	...	1.10	...	...	464.11	27.47	2.45	491.58
22,000	259.07	...	13.75	189.26	...	...	0.76	...	...	...	...	...	449.09	...	13.75	449.09
13,200	275.55	...	...	109.55	...	...	3.50	...	...	3.84	...	...	392.44	...	...	392.44
12,000	15.22	28.81	...	4.68	0.69	...	...	...	...	...	...	...	19.90	29.50	...	49.40
6,600	16.28	...	...	...	...	...	...	...	...	...	...	...	16.28	...	...	16.28
4,000	337.72	29.44	...	...	...	...	...	...	...	...	...	...	337.72	29.44	...	367.16
2,300	22.91	3.50	...	...	...	...	...	...	...	...	...	...	22.91	3.50	...	26.41
2,200	12.76	...	...	...	...	...	...	...	...	...	...	...	12.76	...	...	12.76
Total.....	1,620 06	89.82	15.84	461.17	1.69	2.45	5.74	...	...	20.47	...	...	2,107.44	91.51	18.29	2,198.95

NOTE:—This sheet is based on route miles.

WOOD-POLE

GAUGE LENGTH AND WEIGHT

Size and material of conductor	Miles of conductor			Weight in pounds			Miles Single circuit lines		
	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, '23	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, '23	Under construction Oct. 31, 1923
No. 2 B.& S.G. alum.	461.85	.....	.....	151,949	.....	.....	.....	.....	.....
No. 1/0 B.& S.G. alum	543.21	.....	.....	284,642	.....	.....	110.49	.....	.....
No. 2/0 B.& S.G. alum	116.58	.....	.....	76,360	.....	.....	43.48	.....	.....
No. 3/0 B.& S.G. alum	2,155.95	.....	.....	1,798,062	.....	.....	276.31	.....	.....
173,000 c.m. alum....	6.30	.....	.....	5,632	.....	.....	.....	.....	.....
No. 4/0 B.&S.G. alum	215.40	.....	.....	226,170	.....	.....	12.00	.....	.....
345,000 c.m. alum....	9.18	.....	.....	15,698	.....	.....	.....	.....	.....
500,000 c.m. alum....	.....	.....	14.70	.....	.....	36,456	.....	.....	2.45
No. 6 B.& S.G. s-r. alu n.....	9.69	.....	.....	1,860	.....	.....	3.23	.....	.....
No. 2 B.& S.G. s-r. alum.....	1,142.79	59.79	41.25	557,681	29,177	20,130	341.27	19.93	13.75
No. 1/0 B.& S.G. s-r. alum.....	444.87	37.62	.....	340,770	28,817	.....	142.49	10.54	.....
No. 4 B.& S.G. s-r. alum.....	.....	32.10	.....	.....	9,822	.....	.....	10.70	.....
105,530 c.m. s-r. alum	6.00	.....	.....	4,656	.....	.....	.....	.....	.....
125,000 c.m. s-r. alum	233.34	.....	.....	214,673	.....	.....	77.78	.....	.....
No. 2/0 B.& S.G. s-r. alum.....	42.27	64.08	.....	41,256	62,542	.....	1.75	19.98	.....
No. 3/0 B.& S.G. s-r. alum.....	129.15	.....	.....	158,467	.....	.....	31.39	.....	.....
No. 4/0 B.& S.G. s-r. alum.....	357.90	1.80	6.27	556,892	2,800	9,756	118.54	0.60	2.09
No. 6/0 B.& S.G. s-r. alum.....	4.98	.....	.....	13,884	.....	.....	1.66	.....	.....
366,000 c.m. s-r. alum	7.71	.....	.....	21,495	.....	.....	2.57	.....	.....
No. 6 B.& S.G. copper	502.52	22.76	.....	215,078	6,985	.....	167.60	11.88	.....
No. 4 B.& S.G. copper	172.02	17.10	.....	117,586	11,628	.....	55.22	5.70	.....
No. 3 B.& S.G. copper	6.48	.....	.....	5,560	.....	.....	.....	.....	.....
No. 2 B.& S.G. copper	74.52	.....	.....	80,631	.....	.....	18.04	.....	.....
No. 1 B.& S.G. copper	9.00	.....	.....	12,258	.....	.....	3.00	.....	.....
350,000 c.m. copper..	0.39	.....	.....	2,214	.....	.....	0.13	.....	.....
No. 1/0 B. & S.G. copper.....	217.53	.....	.....	374,152	.....	.....	50.71	.....	.....
No. 2/0 B. & S.G. copper.....	98.67	.....	.....	214,051	.....	.....	32.89	.....	.....
No. 4/0 B. & S.G. copper.....	226.68	.....	.....	782,046	.....	.....	.....	.....	.....
3 x 13 B. & S. G. galv. steel.....	10.60	.....	.....	3,975	.....	.....	10.60	.....	.....
4 x 12 B. & S. G. galv. steel.....	7.12	.....	.....	4,699	.....	.....	.....	.....	.....
3 x 12 B. & S.G. galv. steel.....	45.24	.....	.....	22,394	.....	.....	12.13	.....	.....
1/4"galv. steel.....	1,430.20	20.10	.....	986,838	13,869	.....	45.33	20.10	.....
9/32" galv. steel.....	404.87	.....	.....	344,139	.....	.....	28.47	.....	.....
5/16" galv. steel.....	437.30	60.14	.....	472,284	64,951	.....	116.14	60.14	.....
7/16" galv. steel.....	31.50	.....	.....	65,520	.....	.....	.....	.....	.....
No. 8 B.& S.G. c.c. steel.....	0.89	.....	.....	218	.....	.....	.....	.....	.....
No. 9 B.W.G. iron...	.....	.....	.....	.....	.....	.....	.....	.....	.....
No. 10 B.W.G. iron..	5.53	.....	.....	1,382	.....	.....	.....	.....	.....
No. 6 B.W.G. iron...	298.27	.....	.....	170,909	.....	.....	55.76	.....	.....
Total.....	9,867.40	315.49	62.22	8,346,081	230,591	66,342	1,729.58	159.57	18.29

Note: s-r. alum.—steel-reinforced aluminum; c.c. steel—copper-clad steel.

TRANSMISSION LINES—Continued

OF CONDUCTORS, INCLUDING GROUND CABLES

Miles Double circuit lines			Miles Three circuit lines			Miles Four circuit lines			Total miles of single, double, three and four circuit lines completed to Oct. 31, 1923
Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under Construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under construction Oct. 31, 1923	
30.38			2.19						32.57
34.81			0.08			0.18			145.56
12.69									26.17
218.97						1.10			496.38
1.05									1.05
29.90									41.90
1.53									1.53
		2.45							
									3.23
19.83									381.03
2.90	1.00								156.93
									10.70
1.00									1.00
									77.78
6.17	0.69								28.59
5.83									37.22
0.38									119.52
									1.66
									2.57
									179.48
1.21									62.13
1.08									1.08
3.40									21.44
									3.00
									0.13
10.90									61.61
									32.89
1.02						18.38			19.40
									10.60
									12.13
									65.43
									28.47
3.56									180.44
5.25									5.25
									55.76
391.86	1.69	2.45	2.27			19.66			2,304.63

Note: This sheet is based on circuit and wire miles.

STEEL-TOWER AND WOOD-POLE TRANSMISSION LINES

TOTAL MILEAGES AND WEIGHTS OF CONDUCTORS—ALL SYSTEMS

Type of construction	Miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923
110,000-volt steel-tower lines	2,896.23	55.38	58.86	8,470,346	228,054	242,255
Wood-pole lines built by Commission	7,944.60	279.60	146.43	6,955,347	206,624	66,342
Total	10,840.83	334.98	205.29	15,425,693	434,678	308,597

NOTE:—This table does not include the rural power districts.

TELEPHONE LINES

MILEAGE AND SIZES OF WIRE USED ON TELEPHONE LINES

For Year Ended October 31, 1923

Section No.	Miles	Gauge and material
Lines completed		
N 179 x 19	1.00	No. 10 B.& S.G. copper-clad steel.
N 1485 x 55	2.95	No. 9 B.W.G. galvanized iron.
N 169 x 9	0.69	No. 10 B. & S. copper-clad steel.
E 30 x 31	10.54	No. 6 B. &. S. steel-reinforced aluminum.
C 8 x 64	.060	No. 10 B.& S.G. copper-clad steel.
Total	15.78	
Lines under construction October 31, 1923		
N 15 x 1502	2.45	No. 6 B.& S.G. steel-reinforced aluminum.
E 64 x 14	13.75	No. 9 B.W.G. galvanized iron.
C 69 x 2001	2.09	No. 6 B.& S.G. steel-reinforced aluminum.
Total	18.29	

TELEPHONE LINES

GAUGE, LENGTH AND WEIGHT OF ALUMINUM, COPPER-CLAD STEEL AND GALVANIZED IRON WIRE

Size and material of wire	Miles of wire				Weight in pounds				Single-circuit mileage			Double-circuit mileage			Three-circuit mileage			1-2-& 3-circuit totals
	Completed to Oct. 31, 1922	Completed Oct. 31, 1922 to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1922	Completed Oct. 31, 1922, to Oct. 31, 1923	Under construction Oct. 31, 1923	Completed to Oct. 31, 1923
No. 8 B.& S.G. c-c. steel	203.18	.....	.....	203.18	49,779	.....	.....	49,779	101.59	.....	.....	.....	.....	.....	.....	.....	.....	101.59
No. 10 B.& S.G. c-c. steel	1,037.00	4.58	4.90	1,041.58	159,698	705	1,275	160,403	463.18	2.29	2.45	.....	.....	.....	0.76	.....	.....	466.23
No. 10 B.& S.G. copper	137.16	.....	.....	137.16	22,741	.....	.....	22,741	68.58	.....	.....	.....	.....	.....	.....	.....	.....	68.58
No. 8 B.W.G. galv. iron	5.70	.....	.....	5.70	2,155	.....	.....	2,155	2.85	.....	.....	.....	.....	.....	.....	.....	.....	2.85
No. 9 B.W.G. galv. iron	1,321.49	5.90	27.50	1,327.39	408,966	1,799	10,187	410,765	647.84	2.95	13.75	.....	.....	.....	.....	.....	.....	649.79
No. 10 B.W.G. galv. iron	82.00	.....	.....	82.00	20,500	.....	.....	20,500	41.00	.....	.....	.....	.....	.....	.....	.....	.....	41.00
No. 12 B.W.G. galv. iron	49.60	.....	.....	49.60	8,184	.....	.....	8,184	24.80	.....	.....	.....	.....	.....	.....	.....	.....	24.80
No. 3x12 B.& S.G. galv. stl.	98.92	.....	.....	98.92	48,965	.....	.....	48,965	49.46	.....	.....	.....	.....	.....	.....	.....	.....	49.46
No. 3x13 B.& S.G. galv. stl.	249.66	.....	.....	249.66	93,622	.....	.....	93,622	124.83	.....	.....	.....	.....	.....	.....	.....	.....	124.83
No. 6 B.& S.G.s-r. alumin.	415.34	21.08	4.18	436.42	91,023	3,920	4,698	94,943	69.35	10.54	2.09	68.20	.....	.....	.....	.....	.....	148.09
Total	3,600.05	31.56	36.58	3,631.61	905,633	6,424	16,160	912,057	1,591.48	15.78	18.29	68.20	.....	.....	0.76	.....	.....	1,676.22

ONTARIO POWER COMPANY

TABULATION OF TRANSMISSION AND TELEPHONE LINES

Total mileage of Ontario Power Company's lines	90.69
Total number of poles erected	3,580
Total number of steel towers erected	145
Total mileage of single-circuit lines	16.23
Total mileage of double-circuit lines	74.46

SIZE, MATERIAL, LENGTH AND WEIGHT OF CONDUCTOR

Size and material	Span miles	Wire miles	Weight in pounds
Aluminum conductor:			
173,000 c.m	9.56	53.13	47,498
211,950 c.m	6.50	39.00	40,950
345,000 c.m	40.75	244.50	418,095
500,000 c.m	13.98	83.88	208,022
820,000 c.m	12.02	36.06	146,404
Total	82.81	456.57	860,969
Steel-reinforced aluminum:			
336,400 c.m	1.23	7.38	20,575
Total	1.23	7.38	20,575
Copper conductor:			
No. 1/0 B. & S. gauge copper	0.36	2.16	3,715
No. 2/0 B. & S. gauge copper	2.40	14.40	31,234
No. 3 B. & S. gauge copper	3.44	12.24	10,502
No. 6 B. & S. gauge copper	0.45	2.70	1,156
Total	6.65	31.50	46,607
Telephone line—galvanized iron	58.25	116.50	19,222
Telephone line—copper	11.51	23.02	2,417
Total	69.76	139.52	21,639

TOTAL MILEAGE AND WEIGHT OF CABLE

Cable	Miles of cable	Weight in pounds
Aluminum	456.57	860,969
Aluminum, steel reinforced	7.38	20,575
Copper	31.50	46,607
Total	495.45	928,151

ONTARIO POWER COMPANY LINES—Continued

TOTAL MILEAGE AND WEIGHT OF TELEPHONE WIRE

Wire	Miles of wire	Weight in pounds
Galvanized iron	116.50	19,222
Copper	23.02	2,417
Total	139.52	21,639

MILEAGE OF LINES TABULATED ACCORDING TO VOLTAGE AND NUMBER OF CIRCUITS

Voltage	Single-circuit lines total miles	Double-circuit lines total miles	Combined single and double-circuit lines total miles
60,000	12.02	.....	12.02
30,000	.....	21.74	21.74
12,000	4.21	52.72	56.93
Total	16.23	74.46	90.69

SIZE, LENGTH AND WEIGHT OF CONDUCTORS IN TRANSMISSION LINES

Size and material	Miles of conductor	Weight in pounds	Miles of single-circuit lines	Miles of double circuit-lines	Miles of single and double-circuit lines
173,000 c.m. alum.	53.13	47,498	1.41	8.15	9.56
211,950 " "	39.00	40,950	.....	6.50	6.50
345,000 " "	244.50	418,095	.....	40.75	40.75
500,000 " "	83.88	208,022	.....	13.98	13.98
820,000 " "	36.06	146,404	12.02	.....	12.02
336,400 c.m. s.-r. alum.	7.38	20,575	.....	1.23	1.23
1/0 B.& S.G. copper	2.16	3,715	.....	0.36	0.36
2/0 " " "	14.40	31,234	.....	2.40	2.40
No. 3 " "	12.24	10,502	2.80	0.64	3.44
No. 6 " "	2.70	1,156	.....	0.45	0.45
Total	495.45	928,151	16.23	74.46	90.69

SIZE, LENGTH AND WEIGHT OF TELEPHONE LINES

Size and material	Wire miles	Weight in pounds	Single-circuit lines total miles
No. 12 B.W.G. galvanized iron wire	116.50	19,222	58.25
No. 12 B. & S.G. copper wire	23.02	2,417	11.51
Total	139.52	21,639	69.76

TORONTO POWER COMPANY

TABULATION OF TRANSMISSION AND TELEPHONE LINES

Total mileage of Toronto Power Company's lines (includes 58 miles steel-tower line, no cables)	246.73
Total number of poles erected	4,034
Total number of steel towers erected	2,067
Total mileage of single-circuit lines	80.48
Total mileage of double-circuit lines	111.17

SIZE, MATERIAL, LENGTH AND WEIGHT OF CONDUCTOR

Size and material	Span miles	Wire miles	Weight in pounds
Copper conductor:			
190,000 c.m.	220.53	661.59	2,095,727
133,000 c.m.	22.31	66.93	145,238
115,000 c.m.	35.35	106.05	198,207
No. 2	14.63	43.89	47,489
Total	292.82	778.46	2,486,661
Telephone line—copper	183.36	366.72	60,875
Telephone line—copper-clad steel	4.92	9.84	3,862
Total	188.28	376.56	64,737

TOTAL MILEAGE AND WEIGHT OF TRANSMISSION CABLE

	Miles of cable	Weight in pounds
	878.46	2,486,661
Total	878.46	2,486,661

TOTAL MILEAGE AND WEIGHT OF TELEPHONE WIRE

	Miles of wire	Weight in pounds
	376.56	64,737
Total	376.56	64,737

TORONTO POWER COMPANY LINES—Continued

MILEAGE OF LINES TABULATED ACCORDING TO VOLTAGE AND NUMBER OF CIRCUITS

Voltage	Single circuit total miles	Double circuit total miles	Combined single and double circuit total miles
90,000 volts	.....	84.0	84.0
60,000 volts	12.23	9.0	21.23
12,000 volts	68.25	18.17	86.42
Total	80.48	111.17	191.65

SIZE, LENGTH AND WEIGHT OF CONDUCTORS IN TRANSMISSION LINES

Size and material	Miles of conductor	Weight in pounds	Miles of single circuit lines	Miles of double circuit lines	Miles of single and double circuit lines
190,000 c.m. copper	661.59	2,095,727	22.29	104.12	126.41
115,000 c.m. copper	106.05	198,207	21.25	7.05	28.30
133,000 c.m. copper	66.93	145,238	22.31	.....	22.31
No. 2 copper	43.89	47,489	14.63	.....	14.63
Total	878.46	2,486,661	80.48	111.17	191.65

SIZE, LENGTH AND WEIGHT OF TELEPHONE LINES

Size and material	Wire miles	Weight in pounds	Single circuit total
No. 10 B.& S.G. copper	366.72	60,875	183.36
No. 14 copper-clad steel	3.84	235	1.92
No. 4 copper-clad steel	6.00	3,627	3.00
Total	376.56	64,737	188.28

DESCRIPTION

NIAGARA SYSTEM—110,000-VOLT,

New section number	Old section number	From	To	Aver. span feet	Miles	No. of towers
N1 x 54	A	Niagara trans. sta.	Allenburg jct. tower No. 59	550	6.07	54
N54 x 2	A	Allenburg jct. tower No. 59	Dundas trans. sta.	550	45.36	516
N1 x 2	AA	Niagara trans. sta.	" " "	630	50.00	451
N2 x 13	Pt. B1 & B2	Dundas " "	Cooksville " "	550	27.20	295
N13 x 16	Pt. B1 & B3	Cooksville " "	York " "	550	6.73	74
N16 x 3	Pt. B1 & B4	York " "	Toronto " "	550	5.10	62
N2 x 52	BB	Dundas " "	Nelson jct. tower No. 64	630	6.75	64
N52 x 13	BB	Nelson jct. tower No. 64	Cooksville trans. sta.	630	20.47	177
N13 x 16	BB	Cooksville trans. sta.	York " "	630	6.72	59
N2 x 12	C	Dundas " "	Brant " "	550	22.65	251
N12 x 10	D	Brant " "	Woodstock " "	550	21.83	231
N10 x 4	E	Woodstock " "	London " "	550	25.45	278
N2 x 5	F	Dundas " "	Guelph " "	550	25.26	268
N5 x 6	P-1	Guelph " "	Preston " "	550	10.73	115
N6 x 7	P-2	Preston " "	Kitchener " "	550	8.14	91
N7 x 8	H	Kitchener " "	Stratford " "	550	25.09	267
N8 x 9	I	Stratford " "	St. Marys " "	550	13.53	147†
N9 x 4	J	St. Marys " "	London " "	550	23.59	250†
N4 x 11	K	London " "	St. Thomas " "	550	13.38	140
N11 x 14	L	St. Thomas " "	Kent " "	660	58.04	486
N14 x 15	M	Kent " "	Essex " "	660	44.77	374
N21 x 50	..	Queenston " "	Structure at forebay	6 spans	0.04	7
N50 x 51	..	Structure at forebay	Niagara trans. sta....	550	5.48	58
N50 x 53	..	Structure at forebay	Saltfleet jct. tower No. 241	880	37.69	255
N53 x 17	..	Saltfleet jct. tower No. 241	Hamilton trans. sta.	750	1.92	14
N50 x 54	..	Structure at forebay	Allenburg jct. tower No. 59	880	9.16	58
			Total mileage.....	.....	521.15	

Lines under

N53 x 52	..	Saltfleet jct. tower No. 240	Nelson jct. tower No. 64	880	8.46	51
N16 x 66	..	York trans. sta.	Islington jct. tower, No. 15	550	1.31	15
N66 x 82	..	Islington jct. tower No. 15	Wiltshire ave. jct. tower No. 74	450	4.50	59
N82 x 32	..	Wiltshire ave. jct. tower No. 74	Wiltshire ave. trans. sta.	300	0.13	3
N82 x 31	..	Wiltshire ave. jct. tower No. 74	Bridgeman ave. trans. sta.	300	2.50	49

*NOTE.—Section "A" has 50 miles of 312,000 c.m. steel-reinforced aluminum conductors, and Section "N16 x 3" has 1.30 miles of 312,000 c.m. steel-reinforced aluminum Section "N7 x 8" has 23.90 miles of 312,000 c.m. steel-reinforced aluminum

†Sections N7 x 9 and "N9 x 4" single-circuit towers only. All other sections

**Sections "N2 x 52, "N52 x 13," and N13 x 16" first circuit placed in operation

NOTE.—For inter-connected lines at 110,000-volts, see Toronto Power Company's lines, N66=B66.

OF LINES

25-CYCLE, STEEL-TOWER LINES

No. of circuits	Size and material of power cable	Size and material of ground cable	Date placed in operation	Size and material of original conductors	Date of last stringing
2	312,000 c.m. s-r. alum. c.	5/16" steel	Oct., 1910	4/0 aluminum	Dec., 1918
2	312,000 c.m. " *	" "	Oct., 1910	4/0 "	Dec., 1918
2	211,600 c.m. copper	" "	Feb., 1915	211,600 c.m. copper	.....
2	312,000 c.m. s-r. alum. c.	" "	Mar., 1911	3/0 aluminum	Oct., 1917
2	312,000 c.m. "	" "	Mar., 1911	3/0 "	Oct., 1917
2	312,000 c.m. " *	" "	Mar., 1911	3/0 "	Oct., 1917
2	500,000 c.m. "	" "	**.....	500,000c.m. s-r. alum c.	.....
2	500,000 c.m. "	" "	**.....	500,000 c.m. s-r. alum c.	.....
2	500,000 c.m. "	" "	**.....	500,000 c.m. s-r. alum c.	.....
2	336,400 c.m. "	" "	Nov., 1910	3/0 "	Oct., 1914
2	336,400 c.m. "	" "	Nov., 1910	3/0 "	Oct., 1914
2	336,400 c.m. "	" "	Dec., 1910	3/0 "	Oct., 1914
2	336,400 c.m. "	" "	Oct., 1910	3/0 "	June, 1915
2	266,800 c.m. "	" "	Oct., 1910	3/0 "	June, 1915
2	266,800 c.m. "	" "	Oct., 1910	3/0 "	June, 1915
1	312,000 c.m. " *	" "	Dec., 1910	3/0 "	Dec., 1919
1	266,800 c.m. "	" "	Dec., 1910	3/0 "	June 1915
1	266,800 c.m. "	Removed	Dec., 1910	3/0 "	June, 1915
2	266,800 c.m. "	5/16" steel	Dec., 1910	3/0 "	Oct., 1913
2	167,800 c.m. copper	" "	Aug., 1914	167,800 c.m. copper	.....
2	167,800 c.m. "	" "	Aug., 1914	167,800 c.m. copper	.....
6	605,000 c.m. s-r. alum. c.	none	Jan., 1922	605,000 c.m. s-r. alum. c.	.....
2	500,000 c.m. "	7/16" steel	Jan., 1922	500,000 c.m. s-r. alum. c.	.....
2	605,000 c.m. "	5/16" "	Oct., 1922	605,000 c.m. s-r. alum. c.	.....
2	605,000 c.m. "	5/16" "	Oct., 1922	605,000 c.m. s-r. alum. c.	.....
2	605,000 c.m. "	5/16" "	Sept., 1923	605,000 c.m. s-r. alum. c.	.....

construction

2	605,000 c.m. s-r. alum. c.	5/16" steel	.....	.....	.....
2	500,000 c.m. "	" "	.....	.....	.....
2	190,000 c.m. copper	none	.....	.....	.....
2	190,000 c.m. "	"	.....	.....	.....
2	190,000 c.m. "	"	.....	.....	.....

1.43 miles of 211,600 c.m. copper.
conductor and 3.80 miles of 211,600 c.m. copper from Humber River to Toronto substation.
conductor and 1.19 miles of 266,800 c.m. steel-reinforced aluminum conductor.
double-circuit towers.
July 9, 1922. Second circuit placed in operation, Oct. 1923.
symbol "B."

DESCRIPTION

NIAGARA SYSTEM—HIGH-

New section number	Old section number	From	To	Avg. height of pole in feet	Avg. span in feet	Miles
N1 x 2	A	Niagara trans. sta.	Dundas trans. sta.	30	132	54.16
N1 x 2	AA	" " "	" " "	30	132	50.00
N 2 x 13 N13 x 16 N16 x 3	B	Dundas " "	Toronto city limits	30	132	35.87
N2 x 12	C	" " "	Brant " "	30	132	22.90
N12 x 10	D	Brant " "	Woodstock " "	30	132	21.53
N10 x 4	E	Woodstock " "	London " "	30	132	26.03
N2 x 5	F	Dundas " "	Guelph " "	30	132	26.12
N5 x 6	P-1	Guelph " "	Preston " "	30	132	12.78
N6 x 7	P-2	Preston " "	Kitchener " "	30	132	9.09
N7 x 8	H	Kitchener " "	Stratford " "	30	132	28.75
N8 x 9	I	Stratford " "	St. Marys " "	30	132	15.28
N9 x 4	J	St. Marys " "	London " "	30	132	27.81
N4 x 11	K	London " "	St. Thomas " "	30	132	16.09
N11 x 14	L	St. Thomas " "	Kent " "	30	132	58.04
N14 x 15	M	Kent " "	Essex " "	30	132	44.77
N20 x 1	....	Queenston gen. sta.	Niagara " "	25	150	6.16
N20 x 25	....	" " "	Ont. Power Co. D.S.	25	150	6.05
N17 x 26	....	Hamilton trans. sta.	Connect system "B"	25	150	1.37
K1 x 99	....	Administration bld.	Jct. pole No. 142 (St. Clair ave.)	..	...	2.46
K1 x 99	....	Jct. No. 142 (St. Clair ave.)	Chief Engineer's house	..	...	0.57
K1 x 99	....	Jct. pole No. 142 (St. Clair ave.)	Oper. Engineer's house	..	...	1.42
K1 x 99	....	Administration bld.	Strachan ave.	..	...	2.50
K1 x 99	....	" "	Administration annex	..	...	0.34
K1 x 99	....	" "	Tap Tor. Power Co., (College st.)	..	...	0.12
			Total mileage....	.....	.....	470.21

NOTE.—Old relay of No. 12 B. & S.G. copper not in use.

* N20 x 25 carried on 204 O.P.Co. poles and 15 H.E.P.C. poles—Total of 219 poles.

** 4 circuits and 2 phantom.

OF LINES

TENSION TELEPHONE LINES

No. of poles	No. of circuits	Number, size and material of conductors	Date placed in operation	Size of original wire	Altered wire	Remarks
2,204	4	2-No. 9 B. & S.G. copper 2-No. 10 " "	1910			
1,405	1	No. 9 " "	1915			
1,519	4 **	2-No. 9 " " 2-No. 8 B. & S.G. c.c. steel	1910			
957	2	1-No. 9 B. & S.G. copper 1-No. 10 " "	1910			
888	2	1-No. 9 " " 1-No. 10 " "	1910			One circuit removed 1922
1,074	2	1-No. 10 " " 1-No. 11 " "	1910			
1,093	1	1-No. 10 " "	1910			
535	1	1-No. 10 " "	1910			
400	1	1-No. 10 " "	1910			
1,164	1	1-No. 10 " "	1910			
634	1	1-No. 10 " "	1910			
1,204	2	1-No. 10 " " 1-No. 11 " "	1910			
696	2	1-No. 10 " " 1-No. 12 " "	1910			
2,370	2	No. 9 " "	1914			
1,829	2	No. 9 " "	1914			
225	2	No. 9 B. & S.G. h.d. copper	1921			
219*	1	No. 9 " " "	1922			
56	4	No. 8 B. & S.G. c.c. steel	1923			
142	1	No. 12 B.W.G. w.p. iron	1919			
30	1	No. 12 " " "	1919			
74	1	No. 12 " " "	1919			
....	25 prs.	No. 19 Paper insul. lead covered cop.	1915			
....	50 prs.	No. 22 " " " " "	1923			
....	10 prs.	No. 19 " " " " "	1923			

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
			Lines terminating					
N. 161 x 1	L.T. 75	Jct. Tower No. 308 N161	Welland mun. sta.	48	250	0.53	10*	46,000
114 x 2	N.C.R 136-1	St. Catharines mun. sta.	Pt. Dalhousie mun. sta	30	120	3.18	140	4,000
175 x 5	.....	Pole No. 56 N175.	Stamford Tp. sta.	35	150	0.69	26	12,000
166 x 6	207	S.W. Pole No. 100 N166	Niagara-on-the-Lake.	30	125	7.83	334	12,000
169 x 9	156	Pole No. 79, N169.	Niagara Falls mun. sta	50	125	0.69	32	12,000
161 x 10	74	Tower No. 308, N161.	Union Carbide Co.	48	250	1.93	49*	46,000
171 x 11	164	Tower No. 330, N171.	Dunnville mun. sta.	35	176	21.54	672	46,000
176 x 16	168	Pole No. 52, N176.	Queenston Quarry.	35	120	0.41	18	12,000
177 x 17	170	Pole No. 72, N177.	St. Davids mun. sta.	35	120	0.08	2	12,000
101 x 21	.....	Welland mun. sta.	Welland County Rock Crusher	30	160	5.51	211	2,300
168 x 44	.....	Merritton mun. sta.	Lincoln dist. sta.	.....	.....	.....	.....	.....
153 x 25	.....	Grimsby dist. sta.	Growers Cold Stor. Co.	30	130	0.44	20	4,000
179 x 19	.....	O.P.C. Pt. Colborne D.S.	Internat. Nickel Co.	40	125	1.00	46	30,000

*Towers

			Lines terminating					
25 x 160	.....	O.P.Co. dist. sta.	Jct. Pole No. 18, N160 at Allen & Murray St	.....	.....	0.31	.....	12,000
170 x 61	74	Tower No. 118, N170.	Tower No. 308, N161.	48	250	8.59	190*	46,000
173 x 65	162	Pole No. 147, N173.	Sw. Pole No. 206, N165	35	100	1.13	59	12,000
177 x 66	171	Pole No. 72, N177.	Sw. Pole No. 100, N166	35	120	0.55	26	12,000
169 x 67	162	Pole No. 88, N169.	Pole No. 115, N167.	35	100	0.53	27	12,000
101 x 71	164-A	Welland tower No. 320	Tower No. 330, N171.	48	250	0.53	11	46,000
167 x 73	162	Pole No. 115, N167.	Pole No. 147, N173.	35	100	0.52	32	12,000
165 x 76	167	Sw. Pole No. 206, N165.	Pole No. 52, N176.	35	120	1.40	52	12,000
176 x 77	169	Pole No. 52, N176.	Pole No. 72, N177.	35	120	0.44	20	12,000
1 x 170	73	Niagara trans. sta.	Tower No. 118, N170.	48	250	5.01	118*	46,000
1 x 174	175	Niagara trans. sta.	Tower No. 118, N174.	.....	.....	5.25	.....	46,000
20 x 173	...	Queenston gen. sta.	Pole No. 146, N173.	35	132	3.00	127	12,000
160 x 75	162	Jct. Pole No. 18, N160.	Pole No. 56, N175.	35	100	0.75	38	12,000
175 x 69	162	Pole No. 56, N175.	Pole No. 79, N169.	35	100	0.77	36	12,000

			Lines terminating					
114 x 52	.....	St. Catharines mun. sta.	Beamsville dist. sta.	35	150	13.40	507	12,000
152 x 53	.....	Beamsville dist. sta.	Grimsby dist. sta.	35	150	6.58	103	12,000

Note: For inter-connected lines at 12,000 volts, see Ontario Power Co. system, Symbol "A"

*Towers

OF LINES

NIAGARA DISTRICT—SYMBOL N1

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
2	2/0 B.&S.G. copper	8 B.&S.G. c-c. steel	¼" galv. steel	O.B. San. & Keokuk, C.P. 356	July 11, 1914	Oct. 17, 1914
1	1/0 B. & S.G. alum.	None	None	.....	Oct. 16, 1912	Nov. 17, 1912
1	2 B. & S.G.s-r. alum	9 B.W.G. galv. iron	None	O.B. 12546	May 10, 1921	July 3, 1921
1	6 B. & S.G. copper	None	None	.....	.....	.....
2	2/0 B.&S.G.s-ralum	10 B.&S.G. c-c.steel	None	O.B. 12546	Nov. 14, 1922	Feb. 8, 1923
4	4/0 B.&S.G. copper	8 B.&S.G. c-c. steel	¼" galv. steel	O.B. San. & Keokuk, C.P. 1725	Mar. 15, 1914	Aug. 20, 1914
1	5/16" galv. steel	9 B.W.G. galv. iron	¼" galv. steel	J.D. Insul.	Aug. 17, 1917	Mar. 21, 1918
1	6 B. & S.G. copper	.....	Built by O.P.Co.	Vic. 407	.....	.....
1	6 " "	.....	" " "	Vic. 407	.....	.....
1	2 B. & S.G.s-r. alum	.....	3 x 13 galv. steel	C.P. 105	July 17, 1921	Sept. 22, 1921
.....	.....	.....	.....	.....	.....	.....
1	6 B.&S.G. h-d. cop.	None	6 B.&S.G.h-d.cop	C.P. 105	Oct. 15, 1922	Dec. 24, 1922
2	105,530 c.m. s-r. al.	10 B.&S.G. c-c.steel	None	C.P. 1162	Aug. , 1922	Sept. 20, 1922
at junctions						
2	2/0 B.&S.G. copper	None	None	.....	.....	.....
4	4/0 " "	8 B.&S.G.c-c.steel	¼" galv. steel	O.B. San. & Keokuk, C.P. 106	Mar. 15, 1914	Aug. 20, 1914
1	4 " "	12 B.W.G.galv.iron	Built by O.P.Co.	Vic. 407	.....	.....
1	6 " "	None	" " "	.....	.....	.....
2	173,000 c.m. alum.	12 B.W.G. galv.iron	" " "	.....	.....	.....
2	2/0 B.&S.G. copper	8 B.&S.G. c-c.steel.	¼" galv. steel...	O.B. San. & Keokuk, C.P. 1725	July 11, 1914	Oct. 17, 1914
2	173,000 c.m. alum.	12 B.W.G. galv.iron	Built by O.P.Co.	Vic. 407	.....	.....
1	6 B.&S.G. copper..	None	" " "	Vic. 407	.....	.....
1	6 " "	None	" " "	Vic. 407	.....	.....
4	4/0 " "	8 B.&S.G. c-c.steel	¼"galv. steel	O.B. San. & Keokuk, C.P. 356	Mar. 15, 1914	Aug. 20, 1914
2	7/16" galv. steel...	None	None	C.P. 1725	Nov. 13, 1917	.....
1	1 B.&S.G. copper	None	None	C.P. 793	.....	May 30, 1922
2	345,000 c.m. alum..	12 B.W.G.galv.iron	None	Built by O.P. Co.	.....	.....
2	345,000 " "	12 " " "	None	Built by O.P. Co.	.....	.....
at distributing stations						
1	2/0 B.&S.G. s-r. al.	None	None	Thom. 2111	Oct. 12, 1922	Jan. 8, 1923
1	2/0 B.&.S.G.s-r.al..	None	None	Thom. 2111	Oct. 12, 1922	Feb. 10, 1923

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
Lines terminating								
N. 2 x 201	L.T. 1	Dundas trans. sta.....	Hamilton mun. sta....	50½	206	2.85	73	13,200
264 x 2	118	Pole No. 82, N264.....	Dundas mun. sta.....	55	120	0.12	7	13,200
235 x 6	40&40A	Dom. Sewer Pipe Co...	Waterdown dist. sta...	35	120	3.43	72	2,200
237 x 7	61	Caledonia dist. sta.....	Caledonia.....	.....	.....	0.30	.....	2,200
237 x 8	47A	Caledonia dist. sta.....	Alabastine Co.....	.....	.....	0.17	.....	2,200
270 x 10	50	Pole No. 941, N270....	Ont. Gypsum Co.....	40	120	5.19	229	13,200
202 x 11	209	Dundas mun. sta.....	Copetown.....	35	132	5.98	5	2,200
Lines terminating								
271 x 34	129	Pole No. 328, N271....	Lynden dist. sta.....	35	132	4.53	185	13,200
266 x 35	38	Pole No. 260, N266....	Dom. Sew.Pipe Co.sta.	40	120	1.93	90	13,200
2 x 237	47	Dundas tran. sta.....	Caledonia dist. sta....	40	120	14.97	669	13,200
270 x 39	49	Pole No. 941, N270....	Hagersville dist. sta...	40	120	3.85	173	13,200
Lines terminating								
2 x 263	43	Dundas trans. sta.....	Pole No. 69, N263....	40	120	1.21	65	13,200
263 x 64	118	Pole No. 69, N263	Pole No. 82, N264....	55	120	0.25	13	13,200
2 x 266	38	Dundas H-T sta.....	Pole No. 260, N266...	40	120	5.44	260	13,200
237 x 70	48	Caledonia dist. sta.....	Pole No. 941, N270...	40	120	6.10	267	13,200
264 x 71	129	Pole No. 82, N264	Pole No. 328, N271...	35	132	5.78	245	13,200

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
N.	L.T. N.C.R.							
301 x 64	607-3	Toronto city limits....	York twp. limits.....	.....	.....	0.22	12	.....
364 x 68	N.C.R. 607-1	York twp. limits.....	Unionville jct., N368 .	.....	.....	.....	.....	.....
368 x 67	N.C.R. 607-1	Unionville jct., N368 ..	Markham jct., N367..	.....	.....	.....	.....	.....
367 x 7	215	Markham jct., N367 ..	Markham.	40	125	5.58	235	4,000
26 x 310	.....	Tor. Power Co. (Sedore sta.)	Sutton.....	.....	.....	2.50	.....	4,000
372 x 42	.....	Pole No. , N372....	Mount Joy dist. sta..	35	175	8.83	266	12,000
342 x 11	.....	Mount Joy dist. sta....	Stouffville.....	30	160	6.40	139	4,000

Note: Other connected low-tension lines in this district are owned by the municipality.

OF LINES

DUNDAS DISTRICT—SYMBOL N2

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
4	4/0 B.&S.G.h.d. copper	10 B.&S.G.c-c. steel 8 B.W.G. iron wire	¼" galv. steel	C.P. 133	April 7, 1915	Oct. 4, 1915
2	4 B. & S.G. copper	10 B. & S.G. copper	¼" galv. steel	C.P. 136	Feb. 25, 1915	Mar. 15, 1915
1	2 B. & S.G. alum.	8 B.&S.G. c-c. steel	¼" galv. steel	.....	Sept. 30, 1911	April 6, 1912
1	4 B. & S.G. d.b. w.p. copper	None	None	.....	Nov. 20, 1912	Nov. 30, 1912
1	2/0 B.& S.G. copper	None	None	.....	Sept. 5, 1912	Sept. 20, 1912
1	3/0 B. & S.G. alum.	8 B.& S.G.c-c. steel	¼" galv. steel	Thom. 2041	June 15, 1912	Sept. 20, 1912
1	6 B. & S.G. h.d. copper	9 B.W.G. galv. iron	None	C.P. 105	Sept. 10, 1919	Oct. 17, 1919
at distributing stations						
1	2 B.&S.G.s-r.alum.	9 B.W.G. galv. iron	¼" galv. steel	O.B. 12547	July 24, 1915	Oct. 22, 1915
1	2 B. & S.G. alum.	8 B.& S.G. c-c. steel	¼" galv. steel	Thom 2041	July 21, 1911	April 6, 1912
1	3/0 B. & S.G. alum.	8 B.& S.G. c-c. steel	¼" galv. steel	Thom 2041	May 10, 1912	Sept. 20, 1912
1	2 B. & S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Feb. 28, 1913	Aug. 15, 1913
at junctions						
2	4 B. & S.G. copper	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Dec. 1, 1911	Dec. 21, 1911
2	4 B. & S.G. copper	10 B. & S.G. copper	¼" galv. steel	C.P. 136	Feb. 25, 1915	Mar. 15, 1915
1	2 B. & S.G. alum.	8 B.& S.G. c-c. steel	¼" galv. steel	Thom 2041	July 21, 1911	April 6, 1912
1	3/0 B. & S.G. alum.	8 B.& S.G. c-c. steel	¼" galv. steel	Thom 2041	June 22, 1912	Sept. 20, 1912
1	2 B.&S.G.s-r. alum.	9 B.W.G. galv. iron	¼" galv. steel	O.B. 12547	July 24, 1915	Oct. 22, 1915

TORONTO DISTRICT—SYMBOL N3

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
1	6 B.& S.G. bare copper	.....	6 B.W.G. galv. iron	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
1	2 B.&S.G.s-r. alum.	.....	¼" galv. steel	C.P. 105	Dec. 27, 1919	April 1, 1920
1	4 B.&.S.G.h-d. cop.	None	6 B.&S.G.h-d.cop	C.P. 105	July 16, 1923	July 21, 1923
1	2 B.&S.G. s-r. alum	None	None	Thom. 2111	Aug. 3, 1923	Sept. 24, 1923
1	2 B.&S.G. s-r. alum	None	5/16" galv. steel	C.P. 105	Aug. 20, 1923	Sept. 25, 1923

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No of poles	Voltage
								Lines terminating
N.	L.T.							
432 x 3	116	Delaware dist. sta.....	Lambeth.....	.....	.....	6.59	.....	4,000
432 x 4	117	Delaware dist. sta.....	Mt. Brydges.....	.....	.....	3.99	.....	4,000
464 x 5	98	Pole No. 944, N464....	Strathroy mun. sta...	40	120	9.27	425	13,200
467 x 6	77	Pole No. 388, N467	Thorndale.....	35	132	4.27	179	13,200
467 x 7	93	Pole No. 388, N467....	Deller Bros.....	25	132	0.89	42	2,200
439 x 8	78	Dorchester dist. sta....	Thamesford.....	35	132	6.80	280	13,200
439 x 20	177	Dorchester dist. sta....	Dorchester.....	30	160	3.00	91	4,000
440 x 11	134	Lucan dist. sta.....	Granton.....	30	132	6.09	247	4,000
440 x 12	130	Lucan dist. sta.....	Pole No. 146, N412...	30	132	3.57	146	4,000
474 x 14	151	Pole No. 51, N474.....	Hensall.....	30	132	5.12	205	4,000
475 x 15	161	Sarepta met. sta. 316, N475	Zurich.....	30	132	5.17	211	4,000
475 x 16	160	Sarepta met. sta. 316, N475	Dashwood.....	30	132	1.35	56	4,000
442 x 18	211	Ailsa Craig dist. sta....	Parkhill.....	30	160	9.03	325	4,000
								Lines terminating
462 x 32	119	Pole No. 760, N462....	Delaware dist. sta.....	55	120	0.09	5	13,200
469 x 39	76	Pole No. 38, N469.....	Dorchester dist. sta...	35	132	5.28	219	13,200
472 x 42	210	Pole No. 757, N472....	Ailsa Craig dist. sta...	30	132	9.92	402	13,200
440 x 43	136	Lucan dist. sta.....	Exeter dist. sta.....	35	132	13.24	558	13,200
472 x 40	99	Pole No. 757, N472....	Lucan dist. sta.....	35& 40	132	3.00	123	13,200
								Lines terminating
463 x 62	96	Pole No. 462, N463....	Pole No. 760, N462...	40	120	6.59	298	13,200
4 x 463	95	London trans. sta.....	Pole No. 462, N463...	40	120	10.13	457	13,200
462 x 64	97	Pole No. 760, N462....	Pole No. 944, N464...	40	120	3.99	184	13,200
439 x 67	77	Dorchester dist. sta....	Pole No. 388, N467...	35	132	3.04	132	13,200
4 x 469	18	London trans. sta.....	Pole No. 38, N469....	40	120	0.81	38	13,200
469 x 70	19	Pole No. 38, N469.....	Pole No. 99, N470....	45	120	1.38	61	13,200
470 x 72	99	Pole No. 99, N470.....	Pole No. 757, N472...	35 & 40	132	16.18	659	13,200
443 x 74	151	Exeter dist. sta.....	Pole No. 51, N474....	30	132	1.07	.....	4,000
474 x 75	159	Pole No. 51, N474.....	Pole No. 316, N475...	30	132	7.58	265	4,000

NOTE.—N4 x 469 L.T. 18—Arms, pins, poles and hardware owned by H.E.P.C., 1 circuit of 3/10 N469 x 70 L.T. 19—1-circuit of 2 B. & S.G. alum, with insulators owned by London local N469 x 1 L.T. 20—Jct. pole No. 38 L.T. 18 to Jct. pole No. 93 L.T. 20, 1-circuit of 3/0 N 4 x 401 L.T. 21—2-circuits of 3/0 B. & S.G. alum, together with insulators, cross arms, N 469 x 1 L.T. 22—1-circuit of 3/0 B. & S.G. alum, together with insulators, cross arms, N 470 x 17—1-circuit of 2. B. & S.G. alum, together with insulators, cross arms, poles, Other connected low-tension lines in this district are owned by the municipality.

OF LINES

LONDON DISTRICT—SYMBOL N4

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
1	6 B. & S.G. m.h-d. copper	None	None	C.P. 105	Jan. 25, 1915	Mar. 15, 1915
1	6 B. & S.G. m.h-d. copper	None	¼" galv. steel.	O.B. 9403	Jan. 7, 1915	Mar. 1, 1915
1	3/0 B. & S.G. alum.	10 B.&S.G.c-c.steel	¼" galv. steel	C.P. 136	Sept. 14, 1914	Nov. 30, 1914
1	2 B. & S.G. alum...	None	¼" galv. steel	Thom 2041	Oct. 10, 1913	Feb. 6, 1914
1	6 B. & S.G. copper	None	8 B. & S.G. c-c. steel as neutral	Parker 2822	Mar. 19, 1914	Mar. 19, 1915
1	2 B. & S.G. alum.	None	¼" galv. steel	Thom. 2041	Oct. 13, 1913	Jan. 27, 1914
1	6 B. & S.G. copper 4 B. & S.G. copper	None	¼" galv. steel	.....	.....	.....
1	6 B. & S.G. m.h-d. copper	None	6 B.W.G. galv. iron	C.P. 259	April 6, 1916	June 29, 1916
1	2 B.&S.G.s-r. alum.	None	¼" galv. steel	O.B. 12546	July 28, 1915	Dec. 15, 1915
1	6 B.& S.G. m.h-d. copper	None	6 B.W.G. galv. iron	O.B. 9403	Sept. 11, 1916	Dec. 21, 1916
1	2 B.&S.G. s-r. alum	None	¼" galv. steel	C.P. 259	Mar. 29, 1917	Aug. 23, 1917
1	6 B.& S.G. m.h-d. copper	None	¼" galv. steel	C.P. 259	Mar. 29, 1917	Aug. 23, 1917
1	2 B.&S.G.s-r. alum	None	9/32" galv. steel	C.P. 105	Nov. 17, 1919	May 14, 1920
at distributing stations						
1	2 B. & S.G. copper	10 B.&S.G.c-c.steel	¼" galv. steel	O.B. 9413	Jan. 27, 1915	Feb. 1, 1915
1	2 B. & S.G. alum.	10 B.W.G.galv.iron	¼" galv. steel	Thom 2041	Sept. 18, 1913	Jan. 27, 1914
1	2 B.&S.G.s-r. alum.	6 B.&S.G.s-r. alum.	9/32" galv. steel	C.P. 793	Nov. 12, 1919	May 2, 1920
1	3/0 B. & S.G. alum.	9 B.W.G. galv. iron	¼" galv. steel	O.B. 12546	Nov. 26, 1915	May 4, 1916
2	2 B.&S.G.s-r. alum.	10 B.W.G.galv.iron	¼" galv. steel	C.P. 136	Oct. 23, 1914	Jan. 21, 1915
at junctions						
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c.steel	¼" galv. steel	C.P. 136	Oct. 15, 1914	Nov. 30, 1914
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c.steel	¼" galv. steel	C.P. 136	Sept. 1, 1914	Nov. 30, 1914
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c.steel	¼" galv. steel	C.P. 136	Sept. 29, 1914	Nov. 30, 1914
1	2 B. & S.G. alum.	None	¼" galv. steel	Thom 2041	Oct. 10, 1913	Feb. 6, 1914
3	2 s-r. alum.	10 B.&S.G.c-c.steel	¼" galv. steel	Thom. 2041	Oct. 26, 1910	Jan. 10, 1911
2	2 B.&S.G.s-r. alum.	10 B.&S.G.c-c.steel	¼" galv. steel	Thom 2041	Oct. 26, 1910	Jan. 19, 1911
2	2 B.&S.G.s-r. alum.	10 B.W.G.galv.iron	¼" galv. steel	C.P. 136	Oct. 23, 1914	Jan. 21, 1915
2	2 B.&S.G.s-r. alum. 6 B.&S.G. m.h-d. copper	None	6 B.W.G. galv. iron	O.B. 9403	Sept. 11, 1916	Dec. 21, 1916
1	2 B.&S.G.s-r. alum.	None	¼" galv. steel	C.P. 259	Mar. 21, 1917	Aug. 25, 1917

B. & S. G. alum, with insulators from pole No. 5 to Jct. pole No. 38, owned by London local Hydro.
Hydro.
B. & S. G. alum., together with insulators, cross arms and poles owned by London local Hydro.
poles, etc., owned by London local Hydro.
poles, etc., owned by London local Hydro.
etc., owned by London local Hydro.

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
N.	L.T.							
5 x 501	32	Guelph struct.....	Station Property Bdry.	40	120	0.08	5	13,200
562 x 2	31	Pole No. 70, N562.....	Ont. Agric. College...	40	120	0.10	8	13,200
565 x 5	57A	Pole No. 155, N565....	Prison Farm.....	40	120	0.08	3	13,200
								Lines terminating
564 x 33	86	Pole No. 776, N564....	Elora dist. sta.....	40	120	1.18	57	13,200
564 x 34	87	Pole No. 776, N564....	Fergus dist. sta.....	35	120	1.96	92	13,200
566 x 36	66	Pole No. 453, N566....	Rockwood dist. sta....	35	120	1.64	77	13,200
567 x 37	59	Pole No. 717, N567....	Acton dist. sta.....	40	120	0.07	5	13,200
568 x 38	94	Pole No. 1005, N568...	Cheltenham dist. sta..	35	132	5.06	218	13,200
568 x 39	65	Pole No. 1005, N568...	Georgetown dist. sta. .	40	120	2.68	121	13,200
								Lines terminating
5 x 562	31	Guelph trans. sta.....	Pole No. 70, N562....	40	120	1.46	70	13,200
562 x 63	57	Pole No. 70, N562.....	Pole No. 118, N563...	40	120	1.07	48	13,200
563 x 64	85	Pole No. 118, N563....	Pole No. 776, N564...	40	120	14.64	658	13,200
563 x 65	57	Pole No. 118, N563....	Pole No. 155, N565...	40	120	0.86	37	13,200
565 x 66	58	Pole No. 155, N565....	Pole No. 453, N566...	40	120	6.41	298	13,200
566 x 67	59	Pole No. 453, N566....	Pole No. 717, N567...	40	120	5.78	264	13,200
567 x 68	65	Pole No. 717, N567....	Pole No. 1005, N568..	40	120	6.37	288	13,200

NOTE.—Other connected low-tension lines in this district are owned by the municipality.

NIAGARA SYSTEM—

								Lines terminating
N.	L.T.							
6 x 601	17 & 35	Preston trans. sta.....	Preston corporation sta	35	120	0.14	11	13,200
601 x 2	35	Preston corp. sta.....	G.P. & H. Rly.....	40	120	0.12	6	13,200
664 x 3	16	Pole No. 99, N664.....	Galt mun. sta.....	40	120	3.75	175	13,200
664 x 4	15	Pole No. 99, N664.....	Hespeler mun. sta.....	40	120	2.09	99	13,200
604 x 5	.....	Hespler mun. sta.....	Christie Henderson Co	30	152	3.20	111	4,000
								Lines terminating
6 x 664	14	Preston trans. sta.....	Pole No. 99, N664....	45	120	2.04	99	13,200

NOTE.—N664 x 3, L.T. 16, 63 poles from No. 212 to No. 274 inclusive were supplied and erected

OF LINES

GUELPH DISTRICT—SYMBOL N5

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
3	3/0 B. & S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	.....	Aug. 7, 1911	Sept. 4, 1911
1	1/0 B. & S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 793	July 21, 1911	Nov. 9, 1911
1	2 B.& S. G. s-r. alum.	8 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	May 14, 1913	Sept. 4, 1913
at distributing stations						
1	3/0 B. & S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136	Aug. 18, 1914	Oct. 22, 1914
1	3/0 B. & S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136	Aug. 1, 1914	Oct. 22, 1914
1	2 B.&S.G. s-r. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	May 6, 1913	Aug. 1, 1913
1	3/0 B.&S.G. s-r. alum	8 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Aug. 19, 1912	Dec. 14, 1912
1	1/0 B.&S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	.....	June 10, 1914	July 3, 1914
1	3/0 B.&S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Mar. 11, 1913	Aug. 1, 1913
at junctions						
2	1-1/0 B.&S.G. alum. 1-3/0 B.&S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 793	July 21, 1911	Nov. 9, 1911
2	1-3/0 B.&S.G. alum. 1-3/0 B.&S.G. s-r. alum.....	8 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Aug. 19, 1912	Dec. 14, 1912
1	3/0 B.&S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136	June 3, 1914	Oct. 22, 1914
1	3/0 B.&S.G.s-r. alum	8 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Aug. 19, 1912	Dec. 14, 1912
1	3/0 B.&S.G.s-r. alum	8 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Aug. 19, 1912	Dec. 14, 1912
1	3/0 B.&S.G.s-r. alum	8 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Aug. 19, 1912	Dec. 14, 1912
1	3/0 B.&S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Mar. 11, 1913	Aug. 1, 1913

PRESTON DISTRICT—SYMBOL N6

at customers						
2	1/0 B.&S.G. alum. 2 B.&S.G. copper	10 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Built by Preston Corp.	
2	1/0 B.&S.G. alum. 1/0 B.&S.G. s-r. alum	10 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Mar. 13, 1911	Mar. 21, 1911
2	4/0 B.&S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Oct. 8, 1910	Jan. 19, 1911
1	2 B.&S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Oct. 8, 1910	Dec. 30, 1910
1	4 B.&S.G. bare cop.	None	1/4" galv. steel	C.P. 105	June 18, 1923	Oct. 1, 1923
at junctions						
3	1-2 B.&S.G. alum. 2-4/0 B.&S.G. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	Oct. 8, 1910	Jan. 19, 1911

by Galt local Hydro.

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Volt-age
								Lines terminating
N.	L.T.							
762 x 1	6	Pole No. 10, N762.....	Kitchener mun. sta. ..	45	120	0.76	34	13,200
762 x 2	5	Pole No. 9, N762.....	Waterloo mun. sta....	40	120	1.64	79	13,200
735 x 6	44	Baden dist. sta.....	Wellesley.....	30	150	7.92	252	4,000
								Lines terminating
702 x 33	71	Waterloo mun. sta.....	St. Jacobs dist. sta....	40	120	6.28	299	13,200
733 x 34	71	St. Jacobs dist. sta.....	Elmira dist. sta.....	40	120	4.62	218	13,200
765 x 35	7A	Pole No. 405, N765....	Baden dist. sta.....	40	120	0.11	7	13,200
766 x 37	7	Pole No. 463, N766....	New Hamburg dist.sta	40	120	1.89	92	13,200
								Lines terminating
7 x 762	4	Kitchener trans. sta....	Pole No. 9, N762.....	40	120	0.18	10	13,200
7 x 765	7	Kitchener trans. sta....	Pole No. 405, N765...	40	120	9.09	405	13,200
765 x 66	7	Pole No. 405, N765....	Pole No. 463, N766...	40	120	1.29	58	13,200

NOTE.—N762 x 1, L.T. 6, 35 poles, from No. 10 to No. 44 inclusive, were supplied and erected
N7 x 762, L.T. 4, 5 poles, from No. 5 to No. 9 inclusive, were supplied and erected by
N762 x 2, L.T. 5, 9 poles, from No. 80 to No. 88 inclusive, were supplied and erected
Other connected low-tension lines in this district are owned by the municipality.

NIAGARA SYSTEM—

								Lines terminating
N.	L.T.							
863 x 3	30	Pole No. 647, N863....	Mitchell mun. sta.....	40	120	1.27	59	26,400
834 x 4	158	Dublin dist. sta.....	Dublin.....	30	150	1.26	47	4,000
865 x 5	29	Pole No. 1153, N865...	Seaforth mun. sta.....	40	120	1.50	74	26,400
866 x 6	28	Pole No. 1550, N866...	Clinton mun. sta.....	40	120	1.27	62	26,400
873 x 12	180	Pole No. 263, N873....	Moorefield.....	30	150	1.36	52	4,000
866 x 7	150	Pole No. 1550, N866...	Goderich mun. sta....	40	120	13.61	610	26,400
873 x 13	178	Pole No. 263, N873....	Drayton.....	30	150	3.54	123	4,000
								Lines terminating
8 x 832	125	Stratford trans. sta.....	Tavistock dist. sta....	35	132	9.72	398	26,400
863 x 34	148	Pole No. 647, N863....	Dublin dist. sta.....	40	120	5.08	224	26,400
868 x 38	139	Pole No. 802, N868....	Milverton dist. sta....	35	132	0.96	38	26,400
869 x 39	141	Pole No. 1314, N869...	Listowel dist. sta.....	35	132	2.77	120	26,400
871 x 40	142	Pole No. 1726, N871...	Palmerston dist. sta...	35	132	0.42	18	26,400
871 x 41	143	Pole No. 1726, N871...	Harriston dist. sta....	35	132	6.12	260	26,400
								Lines terminating
867 x 63	147	Pole No. 311, N867....	Pole No. 647, N863...	40	120	7.61	336	26,400
834 x 65	148	Dublin dist. sta.....	Pole No. 1153, N865..	40	120	6.28	282	26,400
865 x 66	149	Pole No. 1153, N865...	Pole No. 1550, N866..	40	120	8.84	397	26,400
8 x 867	146	Stratford trans. sta.....	Pole No. 311, N867...	40	120	6.81	311	26,400
867 x 68	138	Pole No. 311, N867....	Pole No. 802, N868...	35	132	11.92	491	26,400
868 x 69	140	Pole No. 802, N868....	Pole No. 1314, N869..	35	132	12.83	512	26,400
869 x 70	142	Pole No. 1314, N869...	Pole No. 1657, N870..	35	132	8.40	343	26,400
872 x 71	142	Pole No. 1687, N872...	Pole No. 1726, N871..	35	132	0.84	39	26,400
870 x 72	142	Pole No. 1657, N870...	Pole No. 1687, N872..	35	132	0.78	30	26,400
840 x 73	178	Palmerston dist. sta....	Pole No. 263, N873...	30	150	7.09	237	4,000

NOTE.—From pole No. 1688 to Palmerston dist. sta., No. 9 B.W.G. galv.-iron tel. wire replaced
Other connected low-tension lines in this district are owned by the municipality.

OF LINES

KITCHENER DISTRICT—SYMBOL N7

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	O.B. 12546 Thom 2041 O.B. 12546	Aug. 25, 1910	Sept. 11, 1910
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Sept. 11, 1910	Nov. 25, 1910
1	4 B.&S.G. copper	None	6 B.W.G.galv.iron	O.B. 9403	May 16, 1916	Oct. 23, 1916
at distributing stations						
1	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	May 17, 1913	Oct. 25, 1913
1	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	May 17, 1913	Oct. 25, 1913
2	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	.....	May, 1912
2	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Sept. 11, 1910	Feb. 3, 1911
at junctions						
4	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	O.B. 12546 Thom 2041	Aug. 25, 1910	Sept. 11, 1910
2	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Sept. 11, 1910	Feb. 3, 1911
2	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Sept. 11, 1910	Feb. 3, 1911

by Kitchener local Hydro.
Kitchener local Hydro.
by Waterloo local Hydro.

STRATFORD DISTRICT—SYMBOL N8

at customers						
2	2 B.&S.G. alum.	10 B.&S.G.c.c. steel	1/4" galv. steel	Thom 2041	Mar. 24, 1911	Aug. 3, 1911
1	6 B.&S.G. m.h.d. copper.....	None	6 B.W.G.galv.iron	C.P. 259	June 8, 1917	Sept. 25, 1917
2	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Mar. 25, 1911	Sept. 13, 1911
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 889	April 6, 1911	Aug. 4, 1911
1	6 B.&S.G. copper	None	6 B.W.G.galv.iron	C.P. 505	Dec. 1, 1917	Feb. 22, 1918
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 889	April 23, 1913	Dec. 23, 1914
1	4 B.&S.G. copper	None	6 B.W.G.galv.iron	C.P. 505	Oct. 24, 1917	Feb. 22, 1918
at distributing stations						
1	6 B.W.G. galv. iron	9 B.W.G. galv. iron	6 B.W.G.galv.iron	C.P. 133	Sept. 9, 1915	Oct. 26, 1916
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 133	April 23, 1913	Dec. 23, 1914
1	2 B.&S.G. s-r. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	Oct. 15, 1915	May 18, 1916
1	2 B.&S.G. s-r. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	Oct. 28, 1915	May 27, 1916
1	1/0 B.&S.G.s-r.alum	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	Oct. 14, 1915	June 6, 1916
1	1/0 B.&S.G.s-r.alum.	6 B.&S.G.s-r. alum.	1/4" galv. steel	O.B. 11622	Dec. 10, 1915	June 30, 1916
at junctions						
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 133	April 23, 1913	Dec. 23, 1914
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 133	April 23, 1913	Dec. 23, 1914
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 8·9	April 23, 1913	Dec. 23, 1914
3	3/0 B.&S.G. alum.	6 B.&S.G. s-r.alum. 10 B.&S.G.c-c.steel	1/4" galv. steel	C.P. 133	April 23, 1913	Dec. 23, 1914
1	1/0 B.&S.G.s-r.alum.	6 B.&S.G.s-r.alum.	1/4" galv. steel	O.B. 11622	Sept. 20, 1915	May 18, 1916
1	1/0 B.&S.G.s-r.alum.	6 B.&S.G.s-r.alum.	1/4".galv. steel	O.B. 11622	Oct. 13, 1915	May 27, 1916
1	1/0 B.&S.G.s-r.alum.	6 B.&S.G.s-r.alum.	1/4" galv. steel	O.B. 11622	Oct. 14, 1915	June 6, 1916
1	1/0 B.&S.G.s-r.alum	6 B.&S.G.s-r.alum.	1/4" galv. steel	O.B. 11622	Oct. 14, 1915	June 6, 1916
1	1/0 B.&S.G.s-r.alum.	6 B.&S.G.s-r.alum.	1/4" galv. steel	O.B. 11622	Oct. 14, 1915	June 6, 1916
1	4 B.&S.G. copper	None	6 B.W.G.galv.iron	C.P. 505	Oct. 24, 1917	Feb. 22, 1918

with No. 8, B. & S.G. copper.
For inter-connected lines, see Eugenia system, Symbol "E."

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
Lines terminating								
N. 961 x 32	L.T. 46	Pole No. 33, N961.....	St. Marys Portland Cement Co. dist. sta.	40	120	1.55	49	13,200
Lines terminating								
9 x 961	46	St. Marys trans. sta....	Pole No. 33, N961....	40	120	0.67	33	13,200

NOTE.—N9 x 961, L.T. 46, 29 poles, from pole No. 4 to pole No. 32 inclusive are owned by

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
Lines terminating								
N. 1062 x 2	L.T. 109	Pole No. 76, N1062....	W.T.V. & I. Rly.....	.....	.....	0.02	2	13,200
1073 x 5	8	Pole No. 324, N1073...	Ingersoll mun. sta.....	40	120	2.80	131	13,200
1036 x 7	11B	Norwich dist. sta.....	Burgessville.....	30	160	3.25	115	2,300
1036 x 8	11A	Norwich dist. sta.....	Otterville.....	30	160	4.50	158	2,300
1066 x 9	10	Pole No. 508, N1066...	Tillsonburg mun. sta..	40	120	10.30	467	13,200
1009 x 70 1070 x 10	200-205	Tillsonburg.....	Springfield.....	30	160	12.54	418	4,000
1034 x 13	42	Beachville dist. sta.....	Beachville White Lime Co.	.....	.....	1.00	.....	2,200
Lines terminating								
1064 x 33	106	Pole No. 289, N1064...	Embro dist. sta.....	35	132	6.04	256	13,200
1064 x 34	45	Pole No. 289, N1064...	Beachville dist. sta....	30	50	0.01	1	13,200
1066 x 36	11	Pole No. 508, N1066...	Norwich dist. sta.....	40	120	4.59	208	13,200
Lines terminating								
10 x 1062	8	Woodstock trans. sta...	Pole No. 76, N1062...	40	120	1.57	76	13,200
1062 x 64	8	Pole No. 76, N1062....	Pole No. 289, N1064..	40	120	4.70	213	13,200
10 x 1066	9	Woodstock trans. sta...	Pole No. 508, N1066..	40	120	11.08	508	13,200
1064 x 73	8	Pole No. 289, N1064...	Pole No. 324, N1073..	40	120	0.83	35	13,200

OF LINES

ST. MARYS DISTRICT—SYMBOL N9

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at distributing stations						
1	3/0 B.&S.G. alum.	8 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	June 15, 1912	Sept. 7, 1912
at junctions						
1	3/0 B.&S.G. alum.	8 B.&S.G. c-c. steel	1/4" galv. steel	Thom 2041	June 15, 1912	Sept. 7, 1912

St. Marys local Hydro.

WOODSTOCK DISTRICT—SYMBOL N10

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
1	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 136	Sept. 12, 1914	Sept. 13 1914
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Nov. 14, 1910	Mar. 28, 1911
1	6 B.&S.G. copper	None	1/4" galv. steel	.....	.....	Dec. 7, 1916
1	6 B.&S.G. copper	None	1/4" galv. steel	.....	.....	1916
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Jan. 2, 1911	April 29, 1911
1	6 B.&S.G. copper	None	1/4" galv. steel	.....	Nov. 23, 1916	July 1, 1917
1	2 B.&S.G. alum.	None	None	.....	.....	.....
at distributing stations						
1	1/4" galv. steel	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 136	Oct. 1, 1914	Dec. 22, 1914
1	1/0 B.&S.G. alum.	.....	1/4" galv. steel	Thom 2041	June 1, 1912	July 17, 1912
1	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Feb. 13, 1911	Mar. 30, 1911
at junctions						
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Nov. 14, 1910	Mar. 28, 1911
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Nov. 14, 1910	Mar. 28, 1911
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Jan. 2, 1911	April 29, 1911
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Nov. 14, 1910	Mar. 28, 1911

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Volt-age
								Lines terminating
N.	L.T.							
11 x 1101	12	St. Thomas trans. sta. .	St. Thomas mun. sta..	40	120	1.13	47	13,200
1135 x 6	154	West Lorne dist. sta....	Rodney.....	30	132	4.00	161	4,000
								Lines terminating
1134 x 35	153	Dutton dist. sta.....	West Lorne dist. sta. .	30	132	7.60	312	13,200
1168 x 37	41	Pole No. 112, N1168...	Port Stanley dist. sta.	35	120	10.03	462	13,200
1168 x 38	174	Pole No. 112, N1168...	Aylmer dist. sta.....	35	132	9.60	405	13,200
1162 x 34	121	Pole No. 5, N1162.....	Dutton dist. sta.....	30	132	18.33	756	13,200
								Lines terminating
11 x 1162	121	St. Thomas trans. sta. .	Pole No. 5, N1162....	30	132	0.04	4	13,200
11 x 1168	41	St. Thomas trans. sta. .	Pole No. 112, N1168..	35	120	2.24	112	13,200

NOTE.—N11 x 1101, L.T. 12, 23 poles, No. 25 to No. 47 inclusive, were supplied and erected by Other connected low-tension lines in this district are owned by the municipality.

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Volt-age
								Lines terminating
N.	L.T.							
1262 x 1	69	Pole No. 246, N1262..	Brantford mun. sta. ..	40	120	1.47	72	26,400
1262 x 2	69A	Pole No. 246, N1262..	L.E. & N. Ry.....	45	125	0.24	13	26,400
12 x 1219	128	Brant trans. sta.....	St. George.....	30	132	9.19	199	4,000
1267 x 6	114	Pole No. 1230, N1267	Simcoe mun. sta.....	35	132	0.06	5	26,400
1267 x 7	114A	Pole No. 1230, N1267	L.E. & N. Ry, Simcoe	45	120	0.25	11	26,400
1268 x 8	68	Pole No. 40, N1268...	Paris mun. sta.....	40	120	2.44	110	26,400
1274 x 12	92	Pole No. 714, N1274..	Plattsville.....	35	132	6.84	269	4,000
1241 x 13	91	Drumbo dist. sta.....	Princeton.....	35	132	5.65	234	4,000
1274 x 14	184	Pole No. 714, N1274..	Wolverton Mills.....	35	132	1.81	1	4,000
1206 x 15	.....	Simcoe dist. sta.....	Port Dover.....	35	160	7.00	207	4,000
12 x 1216	.....	Brant trans. sta.....	Brantford Sand & Gravel Co.....	30	....	2.27	3	4,000
1240 x 18	.....	Ayr dist. sta.....	H.O. Cereal Co.....	30	126	1.50	63	4,000
								Lines terminating
1264 x 34	112	Pole No. 253, N1264..	Burford dist. sta.....	35	132	3.48	142	26,400
1265 x 35	113A	Pole No. 869, N1265..	Waterford dist. sta....	40	132	0.09	4	26,400
1270 x 40	89	Pole No. 448, N1270..	Ayr dist. sta.....	35	120	1.20	56	26,400
1272 x 41	90	Pole No, 713, N1272..	Drumbo dist. sta.....	35	132	0.50	21	26,400

OF LINES

ST. THOMAS DISTRICT—SYMBOL N11

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
2	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Dec. 14, 1910	Dec. 30, 1910
1	6 B.&S.G. m.h-d. copper	None	6 B.W.G.galv.iron	C.P. 259	Jan. 2, 1917	Jan. 15, 1917
at distributing stations						
1	1/0 B.&S.G.s-r.alum.	None	None	C.P. 136	Dec. 4, 1916	Dec. 22, 1916
1	2 B.&S.G. alum.	8 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2041	Oct. 16, 1911	Mar. 9, 1912
1	1/4" galv. steel	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 889	Aug. 27, 1917	Feb. 11, 1918
1	1/0 B.&S.G. alum.	None	None	C.P. 136	May 3, 1915	Aug. 27, 1915
at junctions						
1	1/0 B.&S.G. alum.	None	None	C.P. 136	May 3, 1915	Aug. 27, 1915
1	2 B.&S.G. alum.	8 B.&S.G.c.c. steel	1/4" galv. steel	Thom 2041	Oct. 16, 1911	Mar. 9, 1912

St. Thomas local Hydro.

BRANT DISTRICT—SYMBOL N12

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 102	Dec. 15, 1913	Jan. 17, 1914
2	2 B.&S.G.s-r. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	O.B. 11622	Sept. 9, 1921	Sept. 21, 1921
1	2 B.&S.G.s-r. alum.	None	1/4" galv. steel	O.B. 9403	July 1, 1915	Aug. 17, 1915
1	2 B.&S.G.s-r. alum.	10 B.&S.G.h-d. cop.	1/4" galv. steel	C.P. 102	Nov. 26, 1914	May 9, 1915
1	2 B.&S.G.s-r. alum.	10 B.W.G.galv.iron	1/4" galv. steel	C.P. 133	.....	July 14, 1916
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 102	Nov. 11, 1913	Jan. 3, 1914
1	4 B.&S.G. copper	None	1/4" galv. steel	Parker2822	Aug. 17, 1914	Dec. 1, 1914
1	6 B.&S.G. copper	None	1/4" galv. steel	Parker2822	Aug. 17, 1914	Dec. 18, 1914
1	6 B.&S.G. m.h-d.cop	None	None	C.P. 105	Sept. 18, 1918	Oct. 22, 1918
1	2 B.&S.G.s-r. alum.	None	3x13 galv. steel	C.P. 105	July 6, 1921	Nov. 8, 1921
1	6 B.&S.G. copper	.....	.....	Thom 2041	Nov. 17, 1921	Jan. 15, 1922
1	6 B.&S.G. copper	None	1/4" galv. steel	C.P. 105	Mar. 14, 1923	Mar. 28, 1923
at distributing stations						
1	2 B.&S.G.s-r. alum.	10 B.&S.G.h-d. cop.	1/4" galv. steel	C.P. 102	Nov. 21, 1914	May 6, 1915
1	2 B.&S.G.s-r. alum.	10 B.&S.G.h-d. cop.	1/4" galv. steel	C.P. 102	Nov. 21, 1914	May 10, 1915
1	1/0 B.&S.G. alum.	10 B.&S.G.c.c. steel	1/4" galv. steel	C.P. 102	Sept. 15, 1914	Dec. 1, 1914
1	1/0 B.&S.G. alum.	10 B.&S.G.c.c. steel	1/4" galv. steel	C.P. 102	July 13, 1914	Dec. 1, 1914

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
N. 12 x 1261	L.T. 69	Brant trans. sta.....	Pole No. 19, N1261...	40	120	0.33	17* 19	26,400
1261 x 76	69	Pole No. 19, N1261...	Pole No. 108, N1276..	40	120	1.92	89	26,400
1268 x 64	111	Pole No. 40, N1268...	Pole No. 253, N1264..	35	132	5.86	228	26,400
1264 x 65	113	Pole No. 253, N1264..	Pole No. 869, N1265..	35	132	15.06	616	26,400
1275 x 67	114	Pole No. 1145, N1275.	Pole No. 1230, N1267.	35	132	2.02	85	26,400
1265 x 75	114	Pole No. 869, N1265..	Pole No. 1145, N1275.	35	132	6.79	276	26,400
1261 x 68	68	Pole No. 19, N1261...	Pole No. 40, N1268...	40	120	0.44	21	26,400
1208 x 69	88	Paris mun. sta.....	Pole No. 196, N1269..	35	132	1.09	49	26,400
1269 x 70	88	Pole No. 196, N1269..	Pole No. 448, N1270..	35	132	6.14	252	26,400
1270 x 71	90	Pole No. 448, N1270..	Pole No. 636, N1271..	35	132	4.53	188	26,400
1271 x 72	90	Pole No. 636, N1271..	Pole No. 713, N1272..	35	132	1.80	77	26,400
1241 x 74	92	Drumbo dist. sta.....	Pole No. 714, N1274..	35	132	0.49	21	4,000
1276 x 62	69	Pole No. 108, N1276..	Pole No. 246, N1262..	40	120	2.94	138	26,400

NOTE.—N12 x 1216—This line is carried on 3 new poles, erected on Brant station property. The From pole No. 108 to the Brantford Sand and Gravel Co., the line is owned by the N1206 x 15—This line is carried on L.T. 114 poles from Simcoe municipal station to Jct.
*Independent poles.

NIAGARA SYSTEM—

								Lines terminating
N. 1331 x 2	L.T. 26&26A	Port Credit dist. sta...	Port Credit Brick Wks	45	120	0.88	43	13,200
1363 x 3	163	Pole No. 30.....	Shale Brick Co.....	55	120	1.22	59	13,200
1368 x 4	27	Pole No. 230.....	Brampton mun. sta...	40	120	6.17	276	13,200
1367 x 5	79A	Pole No. 27.....	Milton Br., Streetsville	35	120	0.77	36	4,000
1370 x 7	181	Pole No. 52.....	Tor. Milling Co.....	25	120	0.72	33	4,000
1369 x 8	62	Pole No. 381.....	Milton mun. sta.....	40	120	13.36	592	13,200
1370 x 11	214	Pole No. 52.....	W. D. Reid & Sons...	30	132	0.22	9	4,000
1305 x 6	79A	Milton Brick Co., Streetsville	Streetsville Brick Co..	.....	.....	0.25	12	4,000
								Lines terminating
1362 x 31	26	Pole No. 84, N1362...	Port Credit dist. sta...	40	120	0.32	16	13,200
1369 x 39	79	Pole No. 381, N1369..	Streetsville dist. sta...	45	120	0.41	19	13,200
								Lines terminating
13 x 1361	26	Cooksville trans. sta. .	Pole No. 6, N1361....	40	120	0.08	6	13,200
1361 x 62	26	Pole No. 6, N1361....	Pole No. 84, N1362...	40	120	1.79	78	13 200
13 x 1363	27	Cooksville trans. sta. .	Pole No. 30, N1363...	40	120	0.57	30	13,200
1363 x 64	27	Pole No. 30, N1363...	Pole No. 89, N1364...	40	120	1.32	59	13,200
1339 x 67	79A	Streetsville dist. sta...	Pole No. 27, N1367...	35	120	0.53	22	4,000
1364 x 68	27	Pole No. 89, N1364...	Pole No. 230, N1368..	40	120	3.18	141	13,200
1368 x 69	62	Pole No. 230, N1368..	Pole No. 381, N1369..	40	120	3.36	151	13,200
1362x1661	36	Pole No. 84, N1362...	Pole No. 332, N1661..	45	120	5.48	250	13,200
1367x70	181	Pole No. 27, N1367...	Pole No. 52, N1670...	25	120	0.51	25	4,000

OF LINES

BRANT DISTRICT—SYMBOL N12—Continued

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at junctions						
5	2 B.&S.G.s-r.alum. 1-cir. 3/0 B.&S.G.alum. 4-cir.	10 B.&S.G.c-c.steel	¼" galv. steel	C.P. 102	Dec. 15, 1913	Jan. 17, 1914
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c.steel	¼" galv. steel	C.P. 102	Dec. 15, 1913	Jan. 17, 1914
1	2 B.&S.G.s-r. alum.	10 B.&S.G. copper	¼" galv. steel	C.P. 102	Nov. 6, 1914	May 6, 1915
1	2 B.&S.G.s-r. alum.	10 B.&S.G.h-d. cop.	¼" galv. steel	C.P. 102	Nov. 21, 1914	May 10, 1915
1	2 B.&S.G.s-r. alum.	10 B &S.G.h-d. cop.	¼" galv. steel	C.P. 102	Nov. 26, 1914	May 9, 1915
1	2 B.&S.G.s-r. alum.	10 B.&S.G.h-d. cop.	¼" galv. steel	C.P. 102	Nov. 26, 1914	May 9, 1915
3	1-cir. 2 B.&S.G.s-r. alum. 2-cirs.,3/0B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	C.P. 102	Nov. 11, 1913	Jan. 3, 1914
1	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	C.P. 102	July 21, 1914	Dec. 1, 1914
1	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	C.P. 102	July 21, 1914	Dec. 1, 1914
1	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	C.P. 102	July 13, 1914	Dec. 1, 1914
1	1/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	C.P. 102	July 13, 1914	Dec. 1, 1914
1	4 B.&S.G. copper	None	¼" galv. steel	Parker2822	Aug. 17, 1914	Dec. 1, 1914
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	C.P. 102	Dec. 15, 1913	Jan. 17, 1914

line is then carried on L.T. 111 poles from No. 3 to No. 17, then on L.T. 69 poles from No. 20 to No. 108.
Gravel Co.
pole No. 1145—90 poles.

COOKSVILLE DISTRICT—SYMBOL N13

at customers						
2	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	April 5, 1911	July 23, 1911
1	2 B.&S.G.s-r. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Mar. 6, 1917	April 22, 1917
2	2/0 B.&S.G.s-r.alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Feb. 15, 1911	May 6, 1911
1	6 B.&S.G. copper	None	6 B.W.G.galv.iron	.....	.....	.....
1	6 B.&S.G. copper	None	6 B.W.G.galv.iron	C.P. 105	Feb. 2, 1918	Mar. 9, 1918
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Nov. 25, 1912	Mar. 13, 1913
1	6 B.&S.G. copper	None	¼" galv. steel	C.P. 105	Dec. 22, 1919	Jan. 4, 1920
1	.....	.....	.....	.....	.....	.....
at distributing stations						
2	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Feb. 24, 1911	July 10, 1911
1	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Nov. 1, 1913	Nov. 24, 1913
at junctions						
3	1-cir. 4 B.&S.G. copper 2-cirs. 2 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	O.B. 12546 Thom 2041	Feb. 24, 1911	July 10, 1911
2	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	O.B. 12546 Thom 2041	Feb. 24, 1911	July 10, 1911
3	2-cir. 3/0 B.&S.G. s-r. alum. 1-cir. 2 B.&S.G.s-r. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	O.B. 12546 Thom 2041	Feb. 15, 1911	May 6, 1911
2	3/0 B.&S.G.s-r.alum.	10 B.&S.G.c-c. steel	¼" galv. steel	O.B. 12546 Thom 2041	Feb. 15, 1911	May 6, 1911
1	6 B.&S.G. copper	None	6 B.W.G.galv.iron	.....	.....	.....
2	3/0 B.&S.G.s-r.alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Feb. 15, 1911	May 6, 1911
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	¼" galv. steel	Thom 2041	Nov. 25, 1912	Mar. 13, 1913
2	1-2 B.&S.G.s-r.alum. 1-2 B.&.S.G. alum.	8 B.&S.G.c-c. steel	¼" galv. steel	O.B. 12546 Thom 2041	April 26, 1911	Feb. 29, 1912
1	6 B.&S.G. copper	None	6 B.W.G.galv.iron	C.P. 105	Feb. 2, 1918	Mar. 9, 1913

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
N.	L.T.							
1462 x 1	84	Pole No. 41, N1462....	Chatham mun. sta....	40	120	1.11	59	26,400
1432 x 3	115	Tilbury dist. sta.....	Comber.....	30	132	7.26	306	4,000
1435 x 6	122	Ridgetown dist. sta....	Highgate.....	30	120	6.18	10	4,000
1443 x 14	137	Petrolia dist. sta.....	Wyoming.....	25	132	7.92	26	4,000
1477 x 17	135	Pole No. 2304, N1477..	Sarnia mun. sta.....	35	125	7.73	333	26,400
1438 x 19	212	Bothwell dist. sta.....	Newbury.....	30	160	5.93	210	4,000
1419 x 20	213	Newbury.....	Glencoe.....	30	160	5.89	199	4,000
1419 x 21	.....	Newbury.....	Wardsville.....	30	160	2.07	72	2,300
1483 x 23	.....	Pole No. 849, N1483...	Dom. Sugar Co., Wallaceburg	40	125	0.81	35	26,400
1445 x 24	.....	Forest dist. sta.....	Thedford.....	30	160	11.50	391	4,000
1446 x 22	.....	Watford dist. sta.....	Alvinston.....	30	160	10.60	334	4,000
1455 x 26	.....	Fletcher dist. sta.....	Merlin.....	30	160	4.70	144	4,000
								Lines terminating
1485 x 32	101	Pole No. 425, N1485...	Tilbury dist. sta.....	35	132	7.41	84	26,400
1468 x 34	126	Pole No. 69, N1468....	Blenheim dist. sta.....	35	132	9.52	388	26,400
1466 x 35	127	Pole No. 783, N1466...	Ridgetown dist. sta...	35	132	0.43	20	26,400
1467 x 37	123	Pole No. 676, N1467...	Thamesville dist. sta..	35	132	0.09	6	26,400
1467 x 38	124	Pole No. 676, N1467...	Bothwell dist. sta.....	35	132	9.83	407	26,400
1483 x 39	104	Pole No. 849, N1483...	Wallaceburg dist. sta..	40	120	1.18	56	26,400
1470 x 40	105	Pole No. 795, N1470...	Dresden dist. sta.....	40	132	0.68	33	26,400
1471 x 41	172	Pole No. 1445A, N1471	Oil Springs dist. sta...	35	132	1.42	63	26,400
1471 x 42	173	Pole No. 1445A, N1471	Brigden dist. sta.....	35	132	8.88	360	26,400
1471 x 43	131	Pole No. 1445A, N1471	Petrolia dist. sta.....	35	125	6.77	297	26,400
1476 x 45	145	Pole No. 2336, N1476..	Forest dist. sta.....	35	132	10.90	444	26,400
1476 x 46	157	Pole No. 2336, N1476..	Watford dist. sta.....	35	132	10.84	443	26,400
1477 x 48	.....	Pole No. 2304, N1477...	Perch dist. sta.....	35	125	3.56	151	26,400
1485 x 55	.....	Pole No. 425, N1485....	Fletcher dist. sta.....	35	150	2.95	118	26,400
								Lines terminating
14 x 1462	84	Kent trans. sta.....	Pole No. 41, N1462...	40	120	0.82	41	26,400
1468 x 65	123	Pole No. 68, N1468....	Pole No. 470, N1468..	35	132	9.74	402	26,400
1465 x 66	127	Pole No. 470, N1465...	Pole No. 783, N1466..	35	132	7.52	313	26,400
1465 x 67	123	Pole No. 470, N1465...	Pole No. 676, N1467..	35	132	4.78	206	26,400
14 x 1468	102	Kent trans. sta.....	Pole No. 68, N1468...	40	120	1.48	68	26,400
1468 x 69	103	Pole No. 68, N1468....	Pole No. 520, N1469..	40	120	9.98	452	26,400
1469 x 70	105	Pole No. 520, N1469...	Pole No. 795, N1470..	40	132	6.71	275	26,400
1470 x 71	131	Pole No. 795, N1470...	Pole No. 1445A, N1471	35	125	15.05	651	26,400
1475 x 74	145	Pole No. 1962, N1475..	Pole No. 2058, N1474.	35	132	2.35	96	26,400
1443 x 75	132	Petrolia dist. sta.....	Pole No. 1962, N1475.	40	125	4.89	219	26,400
1474 x 76	145	Pole No. 2058, N1474..	Pole No. 2336, N1476.	35	132	6.85	278	26,400
1475 x 77	133	Pole No. 1962, N1475..	Pole No. 2304, N1477.	35	125	7.92	342	26,400
1469 x 83	104	Pole No. 520, N1469...	Pole No. 849, N1483...	40	120	7.32	329	26,400
1462 x 85	101	Pole No. 41, N1462....	Pole No. 425, N1485..	35	132	9.57	.....	26,400

OF LINES

KENT DISTRICT—SYMBOL N14

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
2	2/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 102	Oct. 21, 1914	Feb. 1, 1915
1	2 B.&S.G.s-r. alum.	None	1/4" galv. steel	O.B. 9403	Jan. 14, 1915	April 20, 1915
1	6 B.&S.G.m.h-d.cop.	None	6 B.W.G.galv.iron	C.P. 259	Oct. 3, 1916	Nov. 6, 1916
1	6 B.&S.G.m.h-d.cop.	None	6 B.W.G.galv.iron	C.P. 259	Sept. 1, 1915	Oct. 4, 1916
2	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	May 9, 1916	Nov. 10, 1916
1	2 B.&S.G.s-r. alum.	None	9/32" galv. steel	C.P. 105	Jan. 6, 1920	Aug. 13, 1920
1	2 B.&S.G.s-r. alum.	None	9/32" galv. steel	C.P. 105	Feb. 2, 1920	Aug. 13, 1920
1	6 B.&S.G. bare cop.	None	None	C.P. 105	April 15, 1921	June 15, 1921
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	5/16" galv. steel	C.P. 133	Oct. 24, 1921	Mar. 1, 1922
1	6 B.&S.G.h-d. cop.	None	1/4" galv. steel	C.P. 105	Apr. 10,, 1922	May 8, 1922
1	2 B.&S.G.s-r. alum.	None	3 x 13 galv. steel	C.P. 105	Nov. 23, 1921	Mar. 22, 1922
1	2 B.&S.G. s-r. alum.	None	1/4" galv. steel	C.P. 105	Nov. 8, 1922	Dec. 22, 1922
at distributing stations						
1	2 B.&S.G.s-r. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 133	Jan. 13, 1915	Mar. 3, 1915
1	2 B.&S.G.s-r. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	July 2, 1915	Oct. 20, 1915
1	2 B.&S.G.s-r. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	June 24, 1915	Nov. 24, 1915
1	1/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	May 18, 1915	Sept. 14, 1915
1	2 B.&S.G.s-r. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	June 26, 1915	Aug. 17, 1915
2	1-1/0 B.&S.G. alum. 1-3/0 B.&S.G. alum.	10 B.&S.G. h-d.cop.	1/4" galv. steel	C.P. 133	Nov. 6, 1914	Feb. 3, 1915
2	3/0 B.&S.G. alum.	10 B.&S.G. h-d.cop.	1/4" galv. steel	C.P. 133	Nov. 3, 1914	Mar. 30, 1915
1	6 B.W.G. galv. iron	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	July 20, 1917	Dec. 5, 1917
1	6 B.W.G. galv. iron	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 889	Aug. 1, 1917	Dec. 6, 1917
2	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	Aug. 30, 1915	April 6, 1916
1	6 B.W.G. galv. iron	9 B.W.G. galv. iron	6 B.W.G.galv.iron	C.P. 889	June 26, 1915	Feb. 7, 1917
1	6 B.W.G. galv. iron	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 889	June 9, 1917	Aug. 10, 1917
2	5/16" galv. steel	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 889	Sept. 19, 1922	Nov. 19, 1922
1	5/16" galv. steel	9 B.W.G.galv. iron	5/16" galv. steel	C.P. 889	Nov. 20, 1922	Dec. 22, 1922
at junctions						
3	1-cir. 2 B.&S.G.s-r. alum. 2-cirs. 2/0 B.&S.G. al.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 102	Oct. 21, 1914	Feb. 1, 1915
1	1/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	May 18, 1915	Sept. 14, 1915
1	2 B.&S.G.s-r. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	June 24, 1915	Nov. 24, 1915
1	1/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	May 18, 1915	Sept. 14, 1915
3	2-3/0 B.&S.G. alum. 1-1/0 B.&S.G. alum.	10 B.&S.G.h-d. cop.	1/4" galv. steel	O.B. 11622 C.P. 133	Oct. 28, 1914	Feb. 3, 1915
2	3/0 B.&S.G. alum.	10 B.&S.G.h-d. cop.	1/4" galv. steel	C.P. 133	Oct. 30, 1914	Feb. 3, 1915
2	3/0 B.&S.G. alum.	10 B.&S.G.h-d. cop.	1/4" galv. steel	C.P. 133	Nov. 3, 1914	Mar. 30, 1915
2	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	Aug. 30, 1915	April 6, 1916
1	6 B.W.G. galv. iron	9 B.W.G. galv. iron	6 B.W.G.galv.iron	C.P. 889	June 26, 1915	Feb. 7, 1917
2	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	Mar. 1, 1916	Nov. 10, 1916
1	6 B.W.G. galv. iron	9 B.W.G. galv. iron	6 B.W.G.galv.iron	C.P. 889	June 26, 1915	Feb. 7, 1917
2	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 11622	April 6, 1916	Nov. 10, 1916
2	1-cir. 1/0 B.&S.G. al. 1-cir. 3/0 B.&S.G. al.	10 B.&S.G. h-d.cop.	1/4" galv. steel	C.P. 133	Nov. 6, 1914	Feb. 3, 1915
1	2 B.&S.G. s-r. alum.	10 B.&S.G.c-c.steel	1/4" galv. steel	C.P. 133	Jan. 13, 1915	Mar. 3, 1915

DESCRIPTION

NIAGARA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
N.	L.T.							
1562 x 1	82	Pole No. 55, N1562....	Windsor mun. sta.....	45	120	2.27	103	26,400
1562 x 2	83	Pole No. 55, N1562....	Walkerville mun. sta..	40	120	1.30	62	26,400
1502 x 5	.....	Walkerville mun. sta...	Riverside.....	35	132	4.60	7	4,000
1505 x 6	.....	Riverside.....	Tecumseth.....	35	132	2.20	2	4,000
1506 x 7	.....	Tecumseth.....	St. Clair Beach.....	.....	.....	1.20	.....	4,000
1538 x 8	.....	Belle River dist. sta....	Belle River.....	30	132	0.14	7	4,000
								Lines terminating
15 x 1533	165	Essex trans. sta.....	Can. Salt. Co. dist. sta.	40	132	8.10	351	26,400
*15x1538	.....	Essex trans. sta.....	Belle River dist. sta..	..	..	13.98	..	26,400
								Lines terminating
15 x 1562	81	Essex trans. sta.....	Pole No. 55, N1562...	45	120	1.10	55	26,400

*NOTE.—15 x 1538 carried on H.T. telephone poles (N 14 x 15).

NIAGARA SYSTEM—

								Lines terminating
N.	L.T.							
1663 x 3	34	Pole No. 250, N1663...	Weston mun. sta.....	40	120	1.62	75	13,200
1634 x 5	108	Woodbridge dist. sta...	Bolton.....	35	132	12.95	540	13,200
1667 x 7	110B	Pole No. 33, N1667....	Asylum Brick Yard...	(Not owned by H. E.P.C.				.....
1631 x 10	.....	Etobicoke dist. sta.....	Goodyear Tire & Rubber Co.	40	100	0.13	6	2,300
1631 x 2	.....	Etobicoke dist. sta.....	Mimico.....	.....	.....	0.40	.....	4,000
								Lines terminating
1666 x 31	155	Pole No. 122, N1666...	Etobicoke dist. sta....	40	125	0.21	10	26,400
1661 x 32	51	Pole No. 332, N1661...	Mimico dist. sta.....	40	120	0.46	18	13,200
1663 x 34	107	Pole No. 250, N1663...	Woodbridge dist. sta..	35	132	6.44	276	13,200
								Lines terminating
1631 x 61	36	Etobicoke dist. sta.....	Pole No. 332, N1661..	45	120	0.11	6	13,200
1362x1661	36	Pole No. 84, N1362....	Pole No. 332, N1661..	45	120	5.48	250	13,200
1664x63	34	Pole No. 105, N1664...	Pole No. 250, N1663..	40	120	3.24	145	13,200
16x1666	155	York trans. sta.....	Pole No. 122, N1666..	40	125	2.59	124	26,400
1669x67	110A	Pole No. 12, N1669....	Pole No. 33, N1667...	30	125	0.55	21	2,200
1631x66	216	Etobicoke dist. sta.....	Pole No. 122 (Cable only)		.....	0.22	.....	2,200
1632x69	110A	Mimico dist. sta.....	Pole No. 12, N1669...	30	125	0.22	12	2,200
16x1664	.....	York trans. sta.....	Pole No. 105, N1664..	40	120	2.25	105	13,200
1631x69	.....	Etobicoke dist. sta.....	Pole No. 12, N1669...	.....	.....	.....	.....	.....

OF LINES

ESSEX DISTRICT—SYMBOL N15

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
2	3/0 B.&S.G. alum.	10 B.&S.G. c-c.steel	1/4" galv. steel	C.P. 102	July 31, 1914	Sept. 18, 1914
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c.steel	1/4" galv. steel	C.P. 102	June 2, 1914	Sept. 6, 1914
1	2 B.&S.G. d-b. w.p. copper	None	None	C.P. 505	July 3, 1922	Aug. 3, 1922
1	4 B.&S.G. d-b. w.p. copper	None	None	C.P. 105	July 3, 1922	Aug. 3, 1922
1	6 B.&S.G. d-b. w.p. copper	None	None	C.P. 105	July 3, 1922	Aug. 3, 1922
1	6 B.&S.G. d-b. w.p. copper	None	6 B.&S.G. bare copper	C.P. 105	Oct. 26, 1922	Dec. 5, 1922
at distributing stations						
2	1/0 B.&S.G. copper	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 889	July 10, 1917	Nov. 9, 1917
1	5/16" galv. steel	None	None	C.P. 889	Oct. 4, 1922	Dec. 5, 1922
at junctions						
4	3/0 B.&S.G. alum.	10 B.&S.G.c.c. steel	1/4" galv. steel	C.P. 102	July 28, 1914	Sept. 6, 1914

YORK DISTRICT—SYMBOL N16

at customers						
2	1-3/0 B.&S.G. s-r. alum. 1-cir. 2 B.&S.G.alum.1-cir.	8 B.&S.G.c-c.steel	1/4" galv.steel	O.B. 12546 Thom 2041	April 19, 1911	July 24, 1911
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c.steel	1/4" galv. steel	C.P. 136	Oct. 20, 1914	Jan. 26, 1915
.....	.....	.....	.....	.....	.....	.....
1	350,000 c.m. w.p. copper	None	None	C.P. 505	April 19, 1922	April 21, 1922
1	2/0 B.&S.G. copper 4/0 B.&S.G. copper	None	None	C.P. 505	.....	Oct. 19, 1921
at distributing stations						
2	1/0 B.&S.G. copper	9 B.W.G.galv.iron	9/32" galv.steel	O.B. 11622	Feb. 9, 1917	Oct. 10, 1919
1	2 B.&S.G. alum.	8 B.&S.G.c-c.steel	1/4" galv. steel	Thom 2041	.....	.....
1	1/0 B.&S.G. alum..	10 B.&S.G.c-c.steel	1/4" galv. steel	C.P. 136	Sept. 25, 1914	Dec. 2, 1914
at junctions						
2	1-2 B.&S.G.s-r.alum. 1-2 B.&S.G. alum.	8 B.&S.G. c-c.steel	1/4" galv. steel	Thom 2041	April 26, 1911	Feb. 29, 1912
2	1-2 B.&S.G.s-r.alum. 1-2 B.&S.G. alum.	8 B.&S.G.c-c.steel	1/4" galv. steel	Thom 2041	April 26, 1911	Feb. 29, 1912
2	1-cir. 2 B.&S.G.alum 1-cir. 3/0 B.&S.G.s-r. alum.	8 B.&S.G. c-c. steel	1/4" galv. steel	O.B. 12546 Thom 2041	April 19, 1911	July 24, 1911
2	1/0 B.&S.G. copper	9 B.W.G. galv. iron	9/32" galv. steel	O.B. 11622	Feb. 9, 1917	Oct. 10, 1919
1	2/0 B.&S.G. copper	None	1/4" galv. steel	O.B. 9403	Oct. 24, 1914	Feb. 17, 1915
1	2/0 B.&S.G. copper	None	.....	.....	.....	.....
1	2/0 B.&S.G. copper	Line disconnected	1/4" galv. steel	O.B. 9403	Oct. 24, 1914	Feb. 17, 1915
2	3/0 B.&S.G. alum. 2/0 B.&S.G. copper	10 B.&S.G.c-c.steel None	5/16" galv.steel None	O.B. 12546	Aug. 3, 1922	Nov. 19, 1922 .....

DESCRIPTION

THOROLD SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
I. 51 x 1	L.T.	Jct. Pole No. 372 O.P.Co. lines	Thorold dist. sta.....	35	120	1.04	46	12,000

ESSEX COUNTY SYSTEM

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
J. 51 x 1	L.T. 188	Pole No. 231, J51.....	Canard River dist.sta.	35	160	6.00	190	26,400
52 x 2	190	Pole No. 642, J52.....	Amherstburg dist. sta.	35	160	2.30	78	26,400
52 x 3	191	Pole No. 642, J52.....	Harrow dist. sta.....	35	160	12.75	401	26,400
54 x 4	193	Pole No. 1374, J54....	Kingsville dist. sta....	35	160	0.50	7	26,400
55 x 5	195	Pole No. 1412, J55....	Leamington dist. sta..	35	160	7.50	289	26,400
56 x 6	187	Pole No. 1605, J56....	Cottam dist. sta.....	35	160	0.80	22	26,400
56 x 7	197	Pole No. 1605, J56....	Essex dist. sta.....	35	160	4.70	157	26,400
								Lines terminating
15 x 51	185	Essex trans. sta.....	Pole No. 231, J51....	.....	.....	5.30	.....	26,400
		Conductors and Cr	oss Arms only carried	on N	15x15	33 pole	s	
1 x 52	189	Canard River dist. sta..	Pole No. 642, J22....	35	160	7.25	220	26,400
3 x 54	192	Harrow dist. sta.....	Pole No. 1374, J54....	35	160	9.70	334	26,400
54 x 55	194	Pole No. 1374, J54....	Pole No. 1412, J55...	35	160	0.70	38	26,400
55 x 56	196	Pole No. 1412, J55....	Pole No. 1605, J56...	35	160	5.20	193	26,400
								Lines terminating
1 x 801	.....	Canard River dist. sta..	Jct. to H.E.P.C. Rly..	35	132	1.13	46	26,400

OF LINES

SYMBOL "I"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
1	3 B. & S.G. copper	12 B.W.G. galv. iron	None	Vic. 407	.....	1912

SYMBOL "J"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at distributing stations						
1	1/0 B. & S.G. alum.	None	None	8½" x 10"	April, 1914	Nov., 1914
2	1/0 B.&S.G. alum.	None	None	Similar	July, 1913	Nov., 1914
1	1/0 B.&S.G. alum.	None	None	to O.B.	July, 1913	Nov., 1914
2	1/0 B.&S.G. alum.	None	None	No. 9416	July, 1913	Nov., 1914
1	1/0 B.&S.G. alum.	None	None	No. 9416	May, 1915	Aug., 1915
1	1/0 B.&S.G. alum.	None	None	No. 9416	Aug., 1915	Oct., 1915
1	1/0 B.&S.G. alum.	None	None	No. 941 ›	Aug., 1915	Sept., 1915
at junctions						
1	2 B.&S.G. bare str'd copper	None	None	C.P. 889	Sept. 24, 1918	Feb. 1, 1919
1	1/0 B.&S.G. alum.	None	None	8½"x10"	May, 1914	Nov., 1914
1	1/0 B.&S.G. alum.	None	None	Similar	June, 1913	Nov., 1914
1	1/0 B.&S.G. alum.	None	None	to O.B.	July, 1915	Aug., 1915
1	1/0 B.&S.G. alum.	None	None	No. 9416	Aug., 1915	Sept., 1915
at customers						
1	2 B.&S.G.s-r.alum.	None	None	C.P. 889	Sept. 7, 1922	Oct. 25, 1922

DESCRIPTION

ONTARIO POWER COMPANY

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
A 2 x 71	1 & 2	O.P.Co. trans. sta.....	Niagara River crossing No. 1 Trunk No. 2 Trunk	50′ towers 50′ towers	550 550	6.01 6.01	73 72	60,000 60,000
15 x 2	22 & 23	T.P.Co. gen. sta.....	O.P. Co. dist. sta.....	40	120	1.13	60	12,000
2 x 264	A. & B.	O.P. Co. dist. sta.....	Jct. 358, A264.....	35	120	6.80	358	12,000
264 x 76	A. & B.	Jct. 358, A264.....	Jct. 419, A276.....	35	120	1.37	61	12,000
276 x 77	A. & B.	Jct. 419, A276.....	Jct. 443, A277.....	35	120	0.53	24	12,000
277 x 19	A. & B.	Jct. 443, A277.....	Ont. Paper Co.....	35	120	0.42	21	12,000
264 x 4	A. & B.	Jct. 358, A264.....	Port Robinson.....	35	120	2.00	122	12,000
*276 x 16	A. & B.	Jct. 419, A276.....	Pilkington Glass Wks.	35	120	0.04	2	12,000
277 x 18	A. & B.	Jct. 443, A277.....	Beaver Board Co.....	35	120	0.04	2	12,000
2 x 261	C. & D.	O.P. Co. dist. sta.....	Jct. 18, A261.....	35	120	0.41	18	12,000
261 x 81	C. & D.	Jct. 18, A261.....	Jct. 76, A281.....	35	120	1.32	58	12,000
270 x 10	C. & D.	Jct. to Ramapo I.W., A270	Ramapo Iron Works..	35	120	0.80	37	12,000
2 x 63	E. & F.	Transformer sta.....	Tie Jct. 12 & 30 k-v., A63	30 & 35	120	13.20	613	30,000
63 x 72	E. & F.	Tie Jct. 12 & 30 k-v., A63	Electro Metals, jct. A72	.....	.....	0.64	.....	30,000
72 x 3	E. & F.	Jct. to Electro Met.A72	Port Colborne sta.....	35	100	5.50	290	30,000
72 x 12	E. & F.	Jct. to Electro Met. A72	Electro Metals Co....	50	120	0.40	1	30,000
272 x 74	G. & H.	Jct. to Elec. Met., A272	Jct. to P.H.Co., A274.	35	120	0.15	11	12,000
273 x 80	G. & H.	Jct. to Can.S.F'y, A273	Jct. to Emp.C.Co.A280	35	120	0.13	6	12,000
63 x 273	G. & H.	Tie Jct. 12 & 30 k-v,A63	Jct. to Can.S.F'y,A273	35	120	0.59	26	12,000
280 x 20	G. & H.	Jct. to Emp.C.Co., A280	Empire Cotton Co....	35	120	1.70	75	12,000
274 x 14	G. & H.	Jct. to P.H. Co., A274	Page Hersey Co.....	35	120	0.20	9	12,000
273 x 13	G. & H.	Jct. to Can.S.F'y., A273	Can. Steel Foundry...	35	120	0.25	18	12,000
272 x 12	G. & H.	Jct. El. M. Co., A272..	Electro Metals Co....	45	120	0.36	16	12,000
274 x 45	G. & H.	Jct. to P.H. Co., A274.	Dain Co. sta.....	35	120	1.29	67	12,000
281 x 72	G. & H.	Jct. to Chippawa, A281	Jct. to El.M.Co., A272	30	120	11.79	519	12,000
	G. & H.	Jct. to Chippawa, A281	Tor. Power Co., tap..	35	120	0.64	28	12,000
280 x 72	G. & H.	Jct. to Emp.C.Co.,A280	Jct. to El.M.Co., A272	35	120	0.25	10	12,000
2 x 268	J. & K.	O.P. Co. dist. sta.....	Jct. to Con.R.Co.A268	35	120	7.52	331	12,000
277 x 17	J. & K.	Con.R.Co. tap, A277 ..	Coniagas Rad. Co....	35	120	0.45	18	12,000
219 x 77	J. & K.	Ontario Paper Co.....	Con.R.Co. tap, A277 .	50	120	0.13	7	12,000
277 x 63	J. & K.	Con.R.Co. tap, A277 ..	Jct. to Thorold, A263.	35	120	0.90	40	12,000
263 x 38	J. & K.	Jct. to Thorold, A263..	Merritton sta.....	35	120	2.20	110	12,000
2 x 209	L. & M.	O.P. Co dist. sta.....	Amer. Cyanamide Co.	35	120	2.60	162	12,000
2 x 269	O. & P.	O.P. Co. dist. sta.....	Jct. to Nia. Falls,A269	35	120	1.84	100	12,000
269 x 9	O. & P.	Jct. to Nia. Falls, A269	Amer. Cyanamide Co.	35	120	0.76	41	12,000
2 x 266	R. & S.	O.P. Co. dist. sta.....	Jct. to C.N.P.Co.A266	35	120	0.74	30	12,000
266 x 81	R. & S.	Jct. to C.N.P. Co. A266	Jct. to Chippawa,A281	35	120	0.98	40	12,000
281 x 6	R. & S.	Jct. to Chippawa, A281	Montrose dist. sta....	35	130	1.23	50	12,000
281 x 65	R. & S.	Jct. to Chippawa, A281	Jct. to N.D.Chip.A265	35	120	2.35	103	12,000
265 x 21	R. & S.	Jct. to N.D. Chip., A265	Chippawa.....	35	120	0.15	7	12,000
	R. & S.	Chippawa sta.....	Norton Co.....	35	120	0.22	10	12,000
16 x 266	R. & S.	Can. Nia. Power Co....	Jct. to C.N.P.Co.A266	.....	.....	.....	30	12,000
364 x 34	W. & X.	Jct. to C.Cork Co.,A364	Can. Cork Co.....	40	120	0.12	6	12,000
3 x 364	W. & X.	Port Colborne Sta.....	Jct. to C.Cork Co.A364	40	120	0.10	6	12,000
363 x 3	Y. & Z.	Jct. to C.Cem.Co.,A363	Can. Cement Co.....	40	120	1.43	67	12,000
364 x 32	Y. & Z.	Jct. to C.Cork Co.,A364	Gov. Elev. sta.....	.....	.....	1.00	.....	12,000
3 x 363	Y. & Z.	Port Colborne sta.....	Jct. to C.Cem.Co.A363	.....	.....	.....	.....	12,000
2 x 201	.....	O.P. Co. dist. sta.....	H.E.P.C. (cable).....	.....	.....	.....	.....	12,000
2 x 207	.....	O.P. Co. dist. sta.....	Nia. Falls W.W.(cable)	.....	.....	.....	.....	2,200
2 x 211	.....	O.P. Co. dist. sta.....	Q.V.N.F. Park (Table Rock House)	.....	.....	.....	.....	2,200

NOTE.—For inter-connected lines at 12,000 volts, see Niagara System, Niagara District—Symbol N1

OF LINES

SYMBOL "A"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
1	820,000 c.m. alum.	12 B.&S.G. copper	None	Thom 14/0 C.P. 2325 C.P. 1530	1904	July 22, 1906
1	820,000 c.m. alum.	.....	None	Thom 14/0 C.P. 2325 C.P. 1530	1904	July 22, 1906
2	500,000 c.m. alum.	None	None	Vic. 407	Oct., 1915	Oct., 1915
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Oct. 12, 1906
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	.....
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	.....
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Dec. 11, 1913
1	3 B.&S.G. copper	12 B.W.G. galv. iron	None	Vic. 407	.....	Oct. 12, 1906
2	3 B.&S.G. copper	12 B.W.G. galv. iron	None	Vic. 407	.....	.....
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Dec. 11, 1913
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Nov. 5, 1910
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Nov., 5, 1910
1	3 B.&S.G. copper	None	None	Vic. 407	.....	July 14, 1907
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 2872	.....	Sept. 28, 1913
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 2872	.....	.....
2	211,950 c.m. alum.	12 B.&S.G. copper	None	Property of	Dept. of Rys.	and Canals
2	2/0 B.&S.G. copper	.....	None	Vic. 2872	.....	Nov., 1913
2	3 B.&S.G. copper	12 B.W.G. galv. iron	None	Vic. 407	.....	Aug. 16, 1913
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	.....
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	.....
2	345,000 c.m. alum 173,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	May 3, 1913
2	3 B.&S.G. copper	12 B.W.G. galv. iron	None	Vic. 407	.....	1911
2	3 B.&S.G. copper	12 B.W.G. galv. iron	None	Vic. 407	.....	1906
2	3 B.&S.G. copper 1/0 B.&S.G. copper	None	None	Vic. 407	.....	.....
1	173,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	Oct., 1912	Aug. 16, 1913
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Nov. 5, 1910
2	345,000 c.m. alum.	.....	None	Vic. 407	.....	April 11, 1909
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	.....
2	345,000 c.m. alum. 500,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Sept. 10, 1912
2	6 B.&S.G. copper	12 B.W.G. galv. iron	None	Vic. 407	.....	May 6, 1908
2	500,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Sept. 10, 1912
2	345,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	May, 6, 1908
2	173,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	Oct. 6, 1912
2	500,000 c.m. alum.	.....	None	Vic. 407	.....	June 24, 1913
2	500,000 a.m. alum.	.....	None	Vic. 407	.....	Mar. 31, 1914
2	500,000 c.m. alum.	.....	None	Vic. 407	.....	Mar. 31, 1914
2	345,000 c.m. alum.	None	None	Vic. 407	.....	Apr. 11, 1909
2	345,000 c.m. alum.	None	None	Vic. 407	.....	Apr. 11, 1909
2	336,400 c.m. s-r.al.c.	None	None	O.B. 12546	.....	Dec. 8, 1919
2	173,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	July 5, 1910
2	173,000 c.m. al. & iron	12 B.W.G. galv. iron	None	Vic. 407	.....	July 5, 1910
2	173,000 c.m. alum.	Line not in use and	not connected	.....	.....	July 5, 1910
2	Not in use.	.....	None	.....	.....	.....
1	173,000 c.m. alum.	None	None	Vic. 407	.....	Nov. 12, 1911
2	173,000 c.m. alum.	None	None	Vic. 407	.....	Sept. 28, 1913
2	2/0 B.&S.G. copper 173,000 c.m. alum.	12 B.W.G. galv. iron	None	Vic. 407	.....	May 1, 1908
2	211,950 c.m. alum.	Property of Dept. of	Rys. and Canals	.....	.....	Sept. 28, 1913
.....	Cables under Welland	Canal	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
2	.....	None	None	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....

*A216 x 16. Tap owned by Pilkington Glass Works.

DESCRIPTION

TORONTO POWER COMPANY—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
Lines terminating								
*1 x 24	.....	Niagara gen. sta.....	Can. Nia. Power Co..	....	.....	0.23	.....	12
2 x 25	.....	Niagara trans. sta.....	Ont. Power Co.....	45	150	0.19	10	12,000
Lines terminating								
*1 x 2	.....	Niagara gen. sta.....	Niagara trans. sta....	.....	.....	0.38	.....	12,000
51 x 3	.....	Oxley inter. switch.....	Tor. trans. sta.....	53	500	70.00	700	60,000
*50 x 6	.....	Fonthill Inter. switch..	Welland trans. sta....	45	150	7.49	242	60,000
50 x 5	.....	Fonthill Inter. switch..	Thorold trans. sta....	45	150	4.74	172	60,000
Lines terminating								
2 x 50	.....	Niagara trans. sta.....	Fonthill inter. switch	40	340	9.00	140	60,000
2 x 51	.....	Niagara trans. sta.....	Oxley inter. switch....	53	500	9.00	90	60,000
*2 x 3	.....	Niagara trans. sta.....	Tor. trans. sta.....	40	380	79.00	1267	90,000

NOTE.—50 x 6 line carried on steel towers from Fonthill Inter.switch to tower No. 17—0.97 miles, 2 x 3 cables removed between Oxley Inter. switch, and Gages, 29.00 miles. Burlington 1 x 24 underground cables property of Buffalo General Electric Co.
1 x 2 underground cables, 21 cables of 500,000 c.m. copper.
For inter-connected lines, see Niagara System, 110,000-volt, steel-tower lines.

TORONTO

Lines terminating								
368 x 1	.....	Don. Jct., Pole 336....	T.H.E.S.,WinchesterSt	.....	Right	of way	only.	.....
*332 x 3	.....	Keele St. dist. sta.....	Tor.Sub.Rly.,Islington	40	350	3.50	.....	12,000
364 x 4	.....	Kipling ave. jct.....	Goodyear Co.....	40	120	3.09	146	12,000
366 x 35	.....	Bayview jct, 243.....	Can. Wire Co.....	45	120	0.81	36	12,000
.....	.....	C.WireCo.,Pole No.277	Durant Motor Co.....	45	100	0.13	7	12,000
*3 x 359	.....	Toronto trans. sta.....	Bathurst Arrest.House	.....	.....	.....	.....	12,000
Lines terminating								
*3 x 332	.....	Toronto trans. sta.....	Keele St. dist. sta.....	40	300	3.50	.....	12,000
358 x 32	.....	Campbell Av. Arr. Hse.	Keele St. dist. sta....	45	100	1.05	53	12,000
368 x 38	.....	Don. jct., Pole 336....	Blanty.e dist. sta.....	45	110	5.54	277	12,000
365 x 40	.....	Eglinton Av. jct. 182...	York Mills dist. sta...	45	100	2.61	144	12,000
340 x 42	.....	York Mills dist. sta....	Bond Lake dist. sta...	45	100	13.09	722	12,000
342 x 46	.....	Bond Lake dist. sta....	Newmarket dist. sta..	45	100	9.22	512	12,000
346 x 49	.....	Newmarket dist. sta....	Keswich dist. sta.....	30	100	14.63	800	12,000
304 x 69	.....	Goodyear Co.....	L.S. Road terminus...	40	100	0.55	30	12,000

NOTE.—*332 x 3—Towers on this section included in 51 x 3.
*3 x 359—Underground cable, conduit owned by T.H.E.S.
*3 x 332—60,000-volt steel-tower line operated at 12,000-volts, Towers included on 51 x 3.

OF LINES

SYMBOL "B"—HIGH-TENSION LINES

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
duct run						1912
3	2-cir.115,000 c.m.cop. 1-cir.190,000 c.m.cop.	None	None	C.P. 793		1917
at tranformer stations						
	50,000 c.m. copper	48 duct run				1905
2	190,000 c.m. copper	None	3/8" galv. steel	C.P. 1530	1912	1913
1	115,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 492		1916
1	190,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 492		1917
at junctions						
2	190,000 c.m. copper	None	3/8" galv. steel	C.P. 492	1904	1905
2	190,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 1530	1912	1913
2	190,000 c.m. copper	None	1/4" galv. steel	C.P. 492	1905	1906

242 wood poles and 17 steel towers.
and Islington—26.00 miles.

DISTRICT

at customers						
1	190,000 c.m. copper	None	3/8" galv. steel	60,000volts C.P. 793		1905
1	190,000 c.m. copper	None	None	C.P. 793		1921
1	115,000 c.m. copper	None	3/8" galv. steel	C.P. 793		1916
1	115,000 c.m. copper	None	3/8" galv. steel	C.P. 793		1922
2	2/0 B.&S.G. copper					1913
at distributing stations						
1	190,000 c.m. copper	None	None	60,000volts C.P. 793		1905
2	115,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 793		1912
1	115,000 c.m. copper	None	3/8" galv. steel	C.P. 793		1912
1	115,000 c.m. copper	None	None	C.P. 793		1910
1	133,000 c.m. copper	None	None	O.B. 9410		1911
1	133,000 c.m. copper	None	None	O.B. 9410		1911
1	2 B.&S.G.h-d. copper	None	None	O.B. 9410		1911
1	190,000 c.m. copper	None	None	C.P. 793		1921

DESCRIPTION

TORONTO POWER COMPANY—

TORONTO

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
B. *303 x 64	.....	Tor.Sub.Rly.Islington..	Kipling ave. jct.....	40	300	1.00	.....	12,000
359 x 65	.....	Bathurst Arrest. House.	Eglington ave. jct. 182.	45	100	3.39	182	12,000
365 x 66	.....	Eglinton ave. jct. 182...	Bayview jct. 243.....	45	100	1.29	61	12,000
366 x 68	.....	Bayview jct. 243.....	Don. jct. 336.....	45	110	1.76	94	12,000

NOTE.—303 x 64—Towers on this section included in 51 x 3, 60 k-v. steel-tower line operated at 1

THOROLD

								Lines terminating
*5 x 503	.....	Thorold trans. sta.....	Nia. St. C. & Tor. Rly.	45	100	0.49	26	12,000
5 x 501	.....	Thorold trans. sta.....	Exolon Co.....	40	125	0.15	8	12,000
*5 x 502	.....	Thorold trans. sta.....	Riordon Co.....	45	150	2.05	80	12,000
502 x 6	.....	Riordon Co.....	Inter-Lake Tissue Mills	40	150	0.62	20	12,000
564 x 5	.....	Ont. Paper Co. inter. sw.	Beaver Board Co.....	45	125	0.80	41	12,000
*564 x 4	.....	Ont. Paper Co. inter. sw.	Ont. Paper Co.....	.....	.....	.....	.....	12,000
								Lines terminating
5 x 564	.....	Thorold trans. sta.....	Ont. Paper Co. inter sw.	40	150	1.25	50	12,000
263 x 564	.....	Mitchell inter. switch..	Ont. Paper Co. inter sw.	40	150	4.98	192	12,000

NOTE.—*5 x 502—1-circuit 190,000 c.m. copper to pole No. 26, and 1-circuit 115,000 c.m. copper
*5 x 503—Line carried on Niagara St. C. and Toronto Rly. poles on railway right-of-way.
*564 x 4—Underground cables.

NIAGARA

								Lines terminating
*2 x 202	.....	Niagara trans. sta.....	Norton Co.....	45	150	1.98	75	12,000
*263 x 3	.....	Mitchell inter. switch..	{Nia. St.C.&Tor. Rly.. {Nia.Falls&Nat.A.Co.	45	150	1.92	74	12,000
*2 x 201	.....	Niagara trans. sta.....	Aloxite Co.....	45	125	0.59	26	12,000
								Lines terminating
2 x 263	.....	Niagara trans. sta.....	Mitchell inter. switch.	40	175	3.74	127	12,000

NOTE.—*263 x 3, 1-circuit of 190,000 c.m. copper to National Abrasive Co. and 1-circuit of *2 x 201, carried on own poles from Niagara trans. sta. to pole No. 9 = 0.22 miles, then on Total, 0.59 miles.
*2 x 202, owned by Norton Co., vested by Toronto Power Co.

WELLAND

								Lines terminating
6 x 601	73A	Welland trans. sta.....	Electro Metals Co....	45	100	0.42	20	12,000
6 x 601	71 & 72	Welland trans. sta.....	Electro Metals Co....	45	125	0.35	17	12,000

OF LINES

SYMBOL "B"—Continued

DISTRICT—Continued

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at junctions						
1	190,000 c.m. copper	None	3/8" galv. steel	60,000volts C.P. 793	.....	1905
2	115,000 c.m. copper	None	3/8" galv. steel	C.P. 793	.....	1910
1	115,000 c.m. copper	None	3/8" galv. steel	C.P. 793	.....	1912
1	115,000 c.m. copper	None	3/8" galv. steel	C.P. 793	.....	1912
2 kv.						
DISTRICT						
at customers						
1	115,000 c.m. copper	10 B.&S.G. copper	None	C.P. 793	.....	1917
1	115,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 793	.....	1917
1	190,000 c.m. copper 115,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 793	.....	1917
1	115,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 793	.....	1917
2	190,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 793	.....	1918
.....	.....	.....	.....	.....	.....	.....
at junctions						
2	190,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 793	.....	1917
2	190,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 793	.....	1917
from pole No. 26 to Riordon Co.						
DISTRICT						
at customers						
1	190,000 c.m. copper	None	3/8" galv. steel	C.P. 793	.....	1917
2	1-cir. 190,000c.m.cop. 1-cir. 115,000c.m.cop.	14 B.&S.G.c-c.steel	None	C.P. 793	.....	1918
1	190,000 c.m. copper	None	3/8" galv. steel	C.P. 793	.....	1917
at junctions						
2	190,000 c.m. copper	10 B.&S.G. copper	3/8" galv. steel	C.P. 793	.....	1918
115,000 c.m. copper to Niagara, St. C. and Toronto Rly. Can. Niagara Power Co. poles No. 10 to 23 = 0.29 miles, then on own poles from No. 24 to 26 = 0.08 miles.						
DISTRICT						
at customers						
1	190,000 c.m. copper	None	None	C.P. 793	.....	1916
2	190,000 c.m. copper	10 B.&S.G. copper	None	C.P. 793	.....	1916

DESCRIPTION

SEVERN SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Volt-age
								Lines terminating
S. 51 x 1	S.L.	Pole No. 586, S51.....	Midland dist. sta.....	40	100	2.40	117	22,000
1 x 2	17	Midland dist. sta.....	Penetang dist. sta.....	40	120	3.03	143	22,000
72 x 4	22	Pole No. 1590, S72....	Barrie dist. sta.....	40	120	1.57	64	22,000
60 x 5	9	Pole No. 1786, S60....	Collingwood dist. sta..	40	120	12.04	525	22,000
56 x 6	2	Pole No. 193, S56.....	Coldwater dist. sta....	40	120	1.16	55	22,000
57 x 7	4	Pole No. 903, S57.....	Elmvale dist. sta.....	40	120	0.42	19	22,000
20 x 9	23	Big Chute gen. sta.....	Swift Rapid gen. sta. .	30	120	7.50	328	22,000
60 x 10	8	Pole No. 1786, S60....	Stayner dist. sta.....	40	120	1.50	69	22,000
69 x 19	13	Pole No. 188, S69.....	Victoria Harbor dist. sta.	40	120	1.52	82	22,000
71 x 21	20	Pole No. 401, S71.....	C.P.R. elev. dist. sta..	35	125	1.33	58	22,000
72 x 22	21	Pole No. 1590, S72....	Camp Borden dist. sta	35	132	14.76	604	22,000
84 x 32	29	Pole No. 2701, S84....	Alliston dist. sta.....	40	125	1.82	86	22,000
83 x 33	32	Pole No. 2984, S83....	Beeton dist. sta.....	40	125	1.76	84	22,000
83 x 34	31	Pole No. 2984, S83....	Tottenham dist. sta...	40	125	3.61	177	22,000
87 x 35	27	Pole No. 2282, S87....	Cookstown dist. sta...	40	125	2.24	98	22,000
86 x 36	35	Pole No. 2021, S86....	Thornton dist. sta....	40	125	1.85	81	22,000
62 x 37	34	Pole No. 2451, S62....	Bradford dist. sta.....	40	125	7.25	319	22,000
51 x 11	.....	Pole No. 586, S51.....	Tiffin Elev. dist. sta...	40	125	0.41	17	22,000
								Lines terminating
10 x 1002	10	Stayner dist. sta.....	Creemore.....	35	120	7.68	347	4,000
								Lines terminating
20 x 52	11	Big Chute gen. sta.....	Waubaushene sw. sta.	35	120	12.00	504 527	22,000
57 x 54	5	Pole No. 903, S57.....	Pole No. 1110, S54...	40	120	4.57	207	22,000
52 x 56	1	Waubaushene sw. sta. .	Pole No. 193, S56....	40	120	3.68	163	22,000
56 x 57	3	Pole No. 193, S56.....	Pole No. 903, S57....	40	120	15.86	711	22,000
54 x 60	7	Pole No. 1110, S54....	Pole No. 1786, S60...	40	120	15.07	676	22,000
4 x 61	24	Barrie dist. sta.....	Pole No. 1834, S61...	40	125	3.88	180	22,000
87 x 62	33	Pole No. 2282, S87....	Pole No. 2451, S62...	40	125	3.87	169	22,000
71 x 67	19	Pole No. 401, S71.....	Pole No. 431, S67....	35	100	0.56	30	22,000
52 x 69	12	Waubaushene sw. sta. .	Pole No. 188, S69....	40	100	3.59	188	22,000
69 x 71	14	Pole No. 188, S69.....	Pole No. 401, S71....	40	100	4.03	213	22,000
54 x 72	6	Pole No. 1110, S54....	Pole No. 1590, S72...	40	120	10.76	480	22,000
84 x 83	30	Pole No. 2701, S84....	Pole No. 2984, S83...	40	125	6.30	283	22,000
35 x 84	28	Cookstown dist. sta....	Pole No. 2701, S84...	40	125	7.35	321	22,000
61 x 86	25	Pole No. 1834, S61....	Pole No. 2021, S86...	40	125	4.28	187	22,000
86 x 87	26	Pole No. 2021, S86....	Pole No. 2282, S87...	40	125	5.99	261	22,000
67 x 51	16	Pole No. 431, S67.....	Pole No. 586, S51....	40	100	2.90	155	22,000

OF LINES

SYMBOL "S"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at stations						
2	1-cir.2/0B.&S.G. al. 1-cir.1/0B.&S.G.s-r. alum.	1-cir.12B.W.G. galv iron. 1-cir.10B.&S.G. c-c. steel	1/4" galv. steel	C.P. 889 Pittsburg	April 11, 1917	May 22, 1917
2	2 B.&S.G. std.copper	10 B.&S.G.c-c. steel	1/4" galv. stee	C.P. 889	June 7, 1911	July 18, 1911
2	2/0 B.&S.G. alum..	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	Nov. 6, 1912	April 6, 1913
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 889 Thom 2111	Nov. 1, 1912	Feb. 24, 1913
1	2 B.&S.G. alum.	10 B.&S.G. c-c.steel	1/4" galv. steel	Thom 2111	Sept. 20, 1912	Feb. 24, 1913
1	2 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	Feb. 1, 1913	May 27, 1913
1	2 B.&S.G. alum.	10 B.&S.G. copper	5/16" galv. steel	O.B. 9410	.....	.....
1	2 B.&S.G. alum.	10 B.&S.G. c-c.steel	1/4" galv. steel	Thom 2111	Jan. 24, 1913	Feb. 25, 1913
1	2 B.&S.G. alum.	12 B.W.G.galv.iron	1/4" galv. steel	C.P. 188 Pittsburg	.....	.....
2	1/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 12547	Feb. 29, 1916	July 24, 1916
1	6 B.&S.G. m.h-d. copper	9 B.W.G. galv. iron	6 B.W.G.galv.iron	C.P. 136	May 30, 1916	June 29, 1916
1	125,000 c.m.s-r.alum	9 B.W.G. galv. iron	9/32" galv. steel	C.P. 889	Dec. 8, 1917	May 23, 1918
1	5/16" galv. steel	9 B.W.G. galv. iron	9/32" galv. steel	C.P. 889	Feb. 28, 1918	July 26, 1918
1	5/16" galv. steel	9 B.W.G. galv. iron	9/32" galv. steel	C.P. 889	Jan. 30, 1918	Sept. 9, 1918
1	125,000 c.m.s-r.alum	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 889	Nov. 8, 1917	April 25, 1918
1	5/16" galv. steel	9 B.W.G. galv. iron	9/32" galv. steel	C.P. 889	June 15, 1918	Oct. 16, 1918
1	5/16" galv. steel	9 B.W.G. galv. iron	9/32" galv. steel	C.P. 889	Mar. 19, 1918	Sept. 16, 1918
2	2 B.&S.G. s-r. alum	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 889	Aug. 25, 1922	Sept. 15, 1922
at customers						
1	1/0 B.&S.G. alum.	None	1/4" galv. steel	P. 2822	Aug. 15, 1914	Oct. 21, 1914
at junctions						
2	4/0 B.&S.G. alum. 4/0 B.&S.G. s-r. al.	9 B.W.G.galv.iron 12 B.W.G.galv.iron	1/4" galv. steel	Thom 2111	.....	1915
2	4/0 B.&S.G. alum.	9 B.W.G.galv.iron 10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	Oct. 20, 1912	Feb. 24, 1913
2	4/0 B.&S.G. alum.	9 B.W.G.galv.iron 10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	Sept. 20, 1912	Feb. 24, 1913
2	4/0 B.&S.G. alum.	9 B.W.G.galv.iron 10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	Sept. 25, 1912	Feb. 24, 1913
2	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	C.P. 889 Thom 2111	Oct. 23, 1912	Feb. 24, 1913
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 889	Sept. 13, 1917	April 25, 1918
1	5/16" galv. steel	9 B.W.G.galv.iron	9/32" galv. steel	C.P. 889	May 29, 1918	Sept. 16, 1918
2	2/0 B.&S.G. alum. 1/0 B.&S.G. s-r.alum	12 B.W.G.galv.iron	.....	Pittsburg O.B. 12547	.....	.....
2	1/0 B.&S.G. s-r.alum 2/0 B.&S.G. alum.	12 B.W.G.galv.iron	.....	Pittsburg O.B. 12547	April 1, 1916	July 24, 1916
2	2/0 B.&S.G. alum. 1/0 B.&S.G. s-r.alum	12 B.W.G.galv.iron	.....	C.P. 133 Pittsburg	Mar. 7, 1916	July 24, 1916
2	2/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	Nov. 6, 1912	April 6, 1913
1	5/16" galv. steel	9 B.W.G.galv.iron	9/32" galv. steel	C.P. 889	Jan. 2, 1918	July 26, 1918
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 889	Nov. 16, 1917	May 23, 1918
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 889	Oct. 6, 1917	April 25, 1918
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 889	Oct. 20, 1917	April 25, 1918
2	1-cir.2/0B.&S.G. al. 1-cir.1/0 B.&S.G. s-r. alum.	1-cir.12 B.W.G. galv. iron 1-cir.10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 889 Pittsburg	April 11, 1917	May 22, 1917

DESCRIPTION

EUGENIA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
E.	E.F.L.							
57 x 29	.....	Pole No. 1007.....	Dur. Russill dist. sta...	35	.....	0.05	2	22,000
65 x 2	2	Pole No. 1141A, E65 ..	Owen Sound dist. sta..	40	125	5.28	227	22,000
52 x 3	1	Pole No. 316, E52.....	Chatsworth dist. sta. .	40	125	15.27	658	22,000
17 x 4	8	Elmwood dist. sta.	Chesley dist. sta.....	40	125	6.07	259	22,000
55 x 5	9	Pole No. 297, E55.....	Dundalk dist. sta.....	40	125	11.44	499	22,000
57 x 7	4	Pole No. 971, E57.....	Durham dist. sta.....	40	125	0.17	14	22,000
54 x 8	11	Pole No. 1491, E54....	Hanover dist. sta.....	40	125	0.76	33	22,000
59 x 9	5	Pole No. 1326, E59....	Mt. Forest dist. sta...	40	125	7.49	336	22,000
5 x 10	10	Dundalk dist. sta.....	Shelburne dist. sta....	40	125	13.12	565	22,000
64 x 11	20	Pole No. 187, E64.....	Collingwood dist. sta..	35	125	20.17	883	22,000
62 x 12	17	Pole No. 1987, E62....	Orangeville dist. sta...	30	130	0.36	21	22,000
63 x 13	6	Pole No. 1798, E63....	Grand Valley dist. sta.	35	132	8.98	384	22,000
65 x 15	15	Pole No. 1141A, E65 ..	Kilsyth dist. sta.....	40	125	4.80	206	22,000
54 x 17	8	Pole No. 1491, E54.....	Elmwood dist. sta.....	40	125	4.99	214	22,000
55 x 18	4	Dundalk, Pole 297, E55	Priceville dist. sta.....	40	125	5.71	243	22,000
74 x 25	.....	Kinloss No. 2393, E74.	Kincardine dist. sta...	35	132	12.71	517	40,000
74 x 24	.....	Kinloss No. 2393, E74 .	Holyrood dist. sta. ...	35	132	6.20	224	40,000
72 x 22	.....	Wingham No. 2759,E72	Wingham dist. sta....	35	132	4.11	170	40,000
71 x 21	.....	Teeswater,No. 2172,E71	Teeswater dist. sta....	35	132	7.01	284	40,000
76 x 26	.....	Walkerton Quarry, 1977 E76	Walkerton Quarry sta.	35	132	0.25	12	40,000
30 x 31	.....	Harriston dist. sta.....	Mt. Forest dist. sta...	35	175	10.54	331	26,400
								Lines terminating
1 x 52	1	Eugenia gen. sta.....	Pole No. 316, E52....	40	125	7.28	316	22,000
58 x 54	7	Pole No. 964, E58.....	Pole No. 1491, E54...	40	125	12.11	527	22,000
1 x 55	3	Eugenia gen. sta.....	Pole No. 297, E55....	40	125	6.78	297	22,000
57 x 29	5	Pole No. 971, E57.....	Pole No. 1007, E29...	40	125	0.84	36	22,000
58 x 57	4	Pole No. 964, E58.....	Pole No. 971, E57....	40	125	0.12	7	22,000
18 x 58	4	Priceville dist. sta.....	Pole No. 964, E58....	40	125	9.97	423	22,000
29 x 59	5	Pole No. 1007, E29....	Pole No. 1326, E59...	40	125	7.36	319	22,000
10 x 60	17	Shelburne dist. sta.....	Pole No. 1380, E60...	30	130	0.40	21	22,000
63 x 62	17	Pole No. 1798, E63....	Pole No. 1987, E62...	30	130	4.44	189	22,000
60 x 63	17	Pole No. 1380, E60....	Pole No. 1798, E63...	30	130	10.20	418	22,000
1 x 64	19	Eugenia gen. sta.....	Pole No. 187, E64....	35	125	4.04	187	22,000
3 x 65	2	Chatsworth dist. sta. ..	Pole No. 1141A, E65 .	40	125	3.92	168	22,000
8 x 70	.....	Hanover dist. sta.....	Pole No. 1822, E70...	40	132	7.27	297	40,000
76 x 71	.....	Pole No. 1977, E76....	Pole No. 2172, E71...	40	132	4.84	195	40,000
21 x 72	.....	Teeswater dist. sta.....	Pole No. 2758, E72...	35	132	7.53	303	40,000
71 x 74	.....	Pole No. 2172, E71....	Pole No. 2393, E74...	35	132	5.51	222	40,000
70 x 76	.....	Walkerton, pole No. 1822, E70	Pole No. 1977, E76...	40	132	3.81	155	40,000
8 x 863	26	Hanover dist. sta.....	Pole No. 161, E863...	30	132	2.73	161	4,000

NOTE.—For inter-connected lines see Niagara System—Stratford District—Symbol "N8."

OF LINES

SYMBOL "E"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at stations						
2	3/0 B.&S.G. alum.	9 B.W.G.galv.iron	9/32" galv. steel	C.P. 889	April 28, 1922	April 30, 1922
2	3/0 B.&S.G. alum.	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 133	April 7, 1915	Nov. 18, 1915
2	3/0 B.&S.G. alum.	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 133	Mar. 17, 1915	Nov. 18, 1915
1	3/0 B.&S.G. alum.	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 133	Dec. 4, 1915	June 18, 1916
1	1/0 B.&S.G. alum.	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 133	May 20, 1915	Nov. 18, 1915
2	3/0 B.&S.G. alum.	6 B.&S.G. s-r. alum	1/4" galv. steel	C.P. 133	April 13, 1915	Nov. 18, 1915
3	1-1/0 B.&S.G.s-r.al. 2-3/0 B.&S.G.s-r.al. 1-3/0 B.&S.G. alum.	9 B.W.G.galv.iron 6 B.&S.G. s-r. alum	1/4" galv. steel	C.P. 133	Aug. 18, 1916	Sept. 16, 1916
2	1-5/16" steel	6 B.&S.G.s-r.alum.	1/4" galv. steel	C.P. 133	April 26, 1915	Nov. 18, 1915
1	1/0 B.&S.G. alum.	9 B.W.G.galv. iron	1/4" galv. steel	C.P. 133	June 9, 1915	Nov. 18, 1915
1	1/0 B.&S.G. copper	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 889	Aug. 14, 1916	Oct. 6, 1916
1	6 B.&S.G. copper	10 B.W.G.galv.iron	.....	C.P. 889 & special	Built by P.R.	Devel. Co.
1	6 B.&S.G. m-h-d. copper	9 B.W.G.galv. iron	1/4" galv. steel	C.P. 889	July 21, 1916	Dec. 1, 1916
1	6 B.W.G. galv. iron	9 B.W.G.galv.iron	1/4" galv. steel	C.P. 889	Nov. 7, 1916	Jan. 1, 1918
1	3/0 B.&S.G. alum.	9 B.W.G.galv. iron	1/4" galv. steel	C.P. 133	Dec. 4, 1915	June 18, 1916
2	3/0 B.&S.G. alum.	6 B.&S.G. s-r. alum	1/4" galv. steel	C.P. 133	April 13, 1915	Nov. 18, 1915
1	1/0 B.&S.G.s-r.alum.	6 B.&S.G. s-r. alum	5/16" galv. steel	C.P. 1162	Aug. 11, 1920	Jan. 11, 1921
1	5/16" galv. steel	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1162	Sept. 13, 1920	Jan. 11, 1921
1	1/0 B.&S.G.s-r.alum.	6 B.&S.G. s-r. alum	5/16" galv. steel	C.P. 1162	Oct. 14, 1920	Dec. 21, 1920
1	1/0 B.&S.G.s-r.alum.	6 B.&S.G. s-r. alum	5/16" galv. steel	C.P. 1162	May 27, 1920	Dec. 19, 1920
1	2 B.&S.G.S.R. alum.	9 B.W.G. galv. iron	4 x 12 galv. steel	C.P. 1162	Dec. 1, 1920	Feb. 2, 1921
1	1/0B.&S.G.s-r.alum.	6 B.&S.G.s-r.alum.	None	C.P. 889	June 9, 1923	Oct. 11, 923
at junctions						
2	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	Mar. 17, 1915	Nov. 18, 1915
2	1-3/0 B.&S.G. s-r. al. 1-3/0 B.&S.G. alum.	6 B.&S.G.s-r. alum.	1/4" galv. steel	C.P. 133	Oct. 19, 1915	June 18, 1916
2	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	April 10, 1915	Nov. 18, 1915
2	1-3/0 B.&S.G. alum. 1-5/16" steel	6 B.&S.G. s-r. alum.	1/4" galv. steel	C.P. 133	April 26, 1915	Nov. 18, 1915
2	3/0 B.&S.G. alum.	6 B.&S.G. s-r. alum.	1/4" galv. steel	C.P. 133	April 13, 1915	Nov. 18, 1915
2	3/0 B.&S.G. alum.	6 B.&S.G. s-r. alum.	1/4" galv. steel	C.P. 133	April 13, 1915	Nov. 18, 1915
2	1-3/0 B.&S.G. alum. 1-5/16" steel	6 B.&S.G. s-r. alum.	1/4" galv. steel	C.P. 133	April 26, 1915	Nov. 18, 1915
1	6 B.&S.G. copper	10 B.W.G.galv.iron	.....	C.P. 889 & special	Built by P.R.	Devel. Co.
1	6 B.&S.G. copper	10 B.W.G.galv.iron	.....	C.P. 889 & special	Built by P.R.	Devel. Co.
1	6 B.&S.G. copper	10 B.W.G.galv.iron	.....	C.P. 889 & special	Built by P.R.	Devel. Co.
1	1/0 B.&S.G. copper	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 889	Aug. 21, 1916	Oct. 6, 1916
2	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 133	April 7, 1915	Nov. 18, 1915
1	1/0 B.&S.G.s-r. alum	6 B.&S.G. s-r. alum	5/16" galv. steel	C.P. 889	May 22, 1920	Dec. 19, 1920
1	1/0 B.&S.G.s-r. alum	6 B.&S.G. s-r.alum	5/16" galv. steel	C.P. 889 C.P. 1162	June 8, 1920	Dec. 19, 1920
1	1/0 B.&S.G.s-r. alum	6 B.&S.G. s-r. alum	5/16" galv. steel	C.P. 1162	July 9, 1920	Dec. 21, 1920
1	1/0 B.&S.G.s-r. alum	6 B.&S.G. s-r. alum	5/16" galv. steel	C.P. 1162	July 30, 1920	Jan. 11, 1921
1	1/0 B.&S.G.s-r. alum	6 B.&S.G. s-r. alum	5/16" galv. steel	C.P. 889 C.P. 1162	June 8, 1920	Dec. 19, 1920
1	3/0 B.&S.G.s-r. alum	None	6 B.W.G.galv.iron	C.P. 105	Nov. 1, 1917	Dec. 12, 1917

DESCRIPTION

EUGENIA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
			Lines terminating					
E.	E.F.L.							
1 x 101	12	Eugenia gen. sta.	Markdale	.....	.....	7.28	.....	4,000
1 x 102	13	Eugenia gen. sta.	Flesherton	.....	.....	6.78	.....	4,000
7 x 702	14	Durham dist. sta.	Holstein	30	130	2.63	96	4,000
863 x 2	28	Pole No. 161, E863	Neustadt	30	132	2.36	96	4,000
863 x 3	27	Pole No. 161, E863	Carlsruhe	30	132	1.22	57	4,000
60 x 1002	18	Pole No. 1380, E60	Horning's Mills	30	130	5.53	234	4,000
12x1202	21	Orangeville dist. sta.	Alton's Foundry	30	132	5.75	249	4,000
13x1302	22	Grand Valley dist. sta.	Arthur	30	120	12.36	531	4,000
15x1501	16	Kilsyth dist. sta.	Tara	40	125	6.80	291	4,000
24x2402	.....	Holyrood dist. sta.	Lucknow	30	150	4.76	170	4,000
24x2403	.....	Holyrood dist. sta.	Ripley	30	150	6.14	218	4,000
4 x 402	.....	Chesley dist. sta.	Paisley	30	160	10.70	362	4,000

OF LINES

SYMBOL "E"—Continued

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
1	2 B.&S.G. s-r.alum.	None	None	O.B. 9403	Dec. 28, 1915	Feb. 8, 1916
1	2 B.&S.G. s-r.alum.	None	None	O.B. 9403	June 4, 1915	Nov. 18, 1915
1	2 B.&S.G. s-r.alum.	None	¼" galv. steel	O.B. 9403	Dec. 10, 1915	April 3, 1916
1	3/0 B.&S.G. s-r.alum	None	6 B.W.G.galv.iron	C.P. 105	Oct. 10, 1918	Nov. 17, 1918
1	6 B.&S.G.m.h-d.cop.	None	6 B.W.G.galv.iron	C.P. 505	Sept. 26, 1918	Nov. 17, 1918
1	6 B.&S.G.m.h-d.cop.	None	10 B.W.G.galv.ir.	.....	Built by P.R.	Devel. Co.
1	4 B.&S.G.m.h-d.cop.	None	6 B.W.G.galv.iron	O.B. 9403	Oct. 17, 1916	Nov. 27, 1916
1	4 B.&S.G.m.h-d.cop.	None	6 B.W.G.galv.iron	O.B. 9403	Oct. 30, 1916	Feb. 19, 1917
1	6 B.&S.G.m.h-d.cop.	9 B.W.G.galv.iron.	¼" galv. steel	C.P. 259 Brown	Oct. 12, 1916	Jan. 1, 1918
1	2 B.&S.G. s-r.alum.	None	¼" galv. steel	C.P. 505	Sept. 22, 1920	Jan. 11, 1921
1	2 B.&S.G. s-r.alum.	None	¼" galv. steel	C.P. 505	Nov. 5, 1920	Jan. 12, 1921
1	4 B.&S.G.s-r.alum.	None	¼" galv. steel	C.P. 105	May 29, 1923	Aug. 13. 1923

DESCRIPTION

WASDELLS SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
W.	W.L.							
52 x 2	2	Pole No. 1203, W52...	Beaverton dist. sta....	40	120	1.49	70	22,000
53 x 3	3	Pole No. 1559, W53...	Cannington dist. sta..	40	120	1.86	86	22,000
54 x 4	8	Pole No. 183, W54....	Severn Sys. (Longford)	35	132	6.41	267	22,000
56 x 6	.....	Pole No. 1011, W56...	Kirkfield dist. sta.....	35	150	11.34	412	22,000
3 x 9	.....	Cannington dist. sta...	Pinedale dist. sta.....	35	175	7.60	205	22,000
9 x 7	.....	Pinedale dist. sta.....	Greenbank dist. sta...	35	175	8.41	258	22,000
								Lines terminating
54 x 51	1	Pole No. 183, W54....	Pole No. 832, W51...	40	120	14.34	649	22,000
56 x 52	1	Pole No. 1011, W56...	Pole No. 1203, W52 ..	40	120	4.32	193	22,000
57 x 53	3	Pole No. 1408, W57...	Pole No. 1559, W53...	40	120	3.34	151	22,000
1 x 54	1 & 1A	Wasdells Falls gen. sta.	Pole No. 183, W54 ...	40	120	3.94	183	22,000
51 x 56	1	Pole No. 832, W51.....	Pole No. 1011, W56...	40	120	3.93	178	22,000
52 x 57	3	Pole No. 1203, W52...	Pole No. 1408, W57...	40	120	4.47	205	22,000
7 x 761	.....	Greenbank dist. sta....	Jct. W761.....	30	160	1.75	76	4,000
								Lines terminating
2 x 202	4	Beaverton dist. sta.....	Gamebridge.....	.....	.....	5.81	.....	4,000
202 x 3	5	Gamebridge.....	Brechin.....	.....	.....	3.93	.....	4,000
3 x 302	6	Cannington dist. sta...	Woodville.....	30	120	5.15	148	4,000
3 x 303	7	Cannington dist. sta...	Sunderland.....	30	120	7.40	335	4,000
6 x 602	.....	Kirkfield dist. sta.....	Kirkfield.....	.....	.....	1.01	.....	4,000
761 x 1	.....	Jct. W761.....	Uxbridge.....	30	160	5.75	208	4,000
761 x 2	.....	Jct. W761.....	Port Perry.....	30	160	4.00	139	4,000

NOTE.—W3 x 9. This line carried on W3 x 303 poles from Cannington dist. sta. to Pole No. 39

MUSKOKA SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
M.	M.L.							
1 x 2	1	South Falls gen. sta....	Huntsville dist. sta....	35	132	26.32	1,141	22,000

OF LINES

SYMBOL "W"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at stations						
1	1/4" galv. steel	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136	Mar. 30, 1914	Sept. 28, 1914
1	1/4" galv. steel	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136	Feb. 18, 1914	Sept. 28, 1914
1	1/0 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 136	Feb. 17, 1916	June 4, 1916
1	2 B.&S.G.s-r. alum.	6 B.&S.G.s-r. alum.	9/32" galv. steel	O.B. 12546	Feb. 10, 1920	April 22, 1920
1	5/16" galv. steel	9 B.W.G. galv. iron 6 B.W.G. galv. iron	None	C.P. 133	June 21, 1922	Sept. 29, 1922
1	5/16" galv. steel	9 B.W.G. galv. iron	None	C.P. 133	June 21, 1922	Sept. 29, 1922
at junctions						
1	1/0 B.&S.G.s-r.alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136 C.P. 133 C.P. 136	Jan. 17, 1914	Sept. 28, 1914
1	1/0 B.&S.G.s-r.alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 133	Jan. 17, 1914	Sept. 28, 1914
1	1/4" galv. steel	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136	Feb. 18, 1914	Sept. 28, 1914
2	1/0 B.&S.G. alum. 1/0 B.&S.G.s-r.alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136 C.P. 133 C.P. 136	Jan. 17, 1914	Sept. 28, 1914
1	1/0 B.&S.G.s-r.alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 133	Jan. 17, 1914	Sept. 28, 1914
1	2 B.&S.G.s-r. alum.	10 B.&S.G. c-c. steel	1/4" galv. steel	C.P. 136	Feb. 18, 1914	Sept. 28, 1914
1	2/0 B.&S.G.s-r.alum.	None	1/4" galv. steel	C.P. 505	June 21, 1922	Sept. 29, 1922
at customers						
1	1/0 B.&S.G. alum.	None	None	P. 2822	May 2, 1914	Oct. 6, 1914
1	1/0 B.&S.G. alum.	None	None	P. 2822	July 25, 1914	Oct. 6, 1914
1	1/0 B.&S.G. alum.	None	1/4" galv. steel	P. 2822	May 19, 1914	Oct. 19, 1914
1	1/0 B.&S.G. alum.	None	1/4" galv. steel	P. 2822	June 1, 1914	Oct. 19, 1914
1	2 B.&S.G.s-r. alum.	None	None	C.P. 505	April 19, 1920	June 18, 1920
1	2 B.&S.G.s-r. alum.	None	1/4" galv. steel	C.P. 105	June 21, 1922	Sept. 29, 1922
1	2 B.&S.G.s-r. alum.	None	1/4" galv. steel	C.P. 105	June 21, 1922	Sept. 29, 1922

= 0.83 miles.

SYMBOL "M"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at stations						
1	2 B.&S.G.s-r. alum.	9 B.W.G. galv. iron	1/4" galv. steel	O.B. 12547	Aug. 6, 1915	Aug. 15, 1916

DESCRIPTION

ST. LAWRENCE SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
L.	St. L.							
1462 x 2	.....	Jct. L1462.....	Avonmore.....	.....	.....	.....	.....	.....
1463 x 3	.....	Jct. L1463.....	Maxville.....	45	325	5.17	94	4,000
6 x 601	.....	Toronto Paper Co. dist. sta.....	Howard Smith Paper Mills.....	.....	.....	.....	.....	550
10 x 701	6	Morrisburg met. sta....	Williamsburg.....	.....	.....	6.57	.....	4,000
13 x 1302	.....	Martintown dist. sta...	Lancaster.....	30	160	11.59	399	4,000
								Lines terminating
72 x 22	.....	Pole No. 564, L72.....	Eugene Phillips Co...	40	175	2.60	67	44,000
11 x 1	.....	Mille Roche.....	Cornwall trans. sta....	.....	.....	.....	.....	.....
53 x 2	.....	Morrisburg jct. No. 1..	Prescott dist. sta.....	40	120	22.96	1084	44,000
7 x 4	2	Williamsburg dist. sta..	Winchester dist. sta...	40	120	9.78	449	26,400
4 x 5	3	Winchester dist. sta....	Chesterville dist. sta. .	40	120	6.71	303	26,400
68 x 6	12	Pole No. 85, L68.....	Toronto Paper Co. dist. sta.....	40	176	0.11	5	46,000
54 x 7	2	Pole No. 94, L54.....	Williamsburg dist. sta.	40	120	4.61	204	26,400
66 x 13	.....	Pole No. 143, L66.....	Martintown dist. sta..	45	325	5.55	88	44,000
13 x 14	.....	Martintown dist. sta...	Apple Hill dist. sta....	45	325	5.36	91	44,000
67 x 15	.....	Pole No. 349, L67.....	Alexandria dist. sta...	45	325	8.91	161	44,000
68 x 18	.....	Pole No. 85, L68.....	Cornwall P. & P. Co..	50	132	1.66	73	44,000
72 x 3	.....	Pole No. 564, L72.....	Brockville dist. sta....	40	120	1.58	75	44,000
54 x 21	.....	Winchester jct. No. 94.	Morrisburg dist. sta...	40	120	1.19	54	26,400
								Lines terminating
1 x 51	8	Cornwall trans. sta.....	Pole No. 440, L51....	40	176	12.63	391	46,000
51 x 54	8	Pole No. 391, L51.....	Pole No. 94, L54.....	40	176	12.76	340	46,000
14 x 1462	.....	Apple Hill dist. sta.....	Pole No. 18, L1462...	30	.....	1.04	18	4,000
1462 x 63	.....	Pole No. 18, L1462....	Pole No. 26, L1463...	30	.....	0.58	8	4,000
1 x 66	.....	Cornwall trans. sta.....	Pole No. 143, L66....	45	325	8.12	143	44,000
14 x 67	.....	Apple Hill dist. sta.....	Pole No. 349, L67....	45	325	1.62	27	44,000
1 x 68	12	Cornwall trans. sta.....	Pole No. 85, L68.....	40	176	2.46	85	46,000
21 x 53	.....	Morrisburg dist. sta....	Pole No. 1, L53.....	40	120	0.77	40	26,400
2 x 72	.....	Prescott dist. sta.....	Pole No. 564, L72....	40	120	12.50	555	44,000

NOTE.—L11 x 1, telephone line only.
L14 x 1462, carried on L14 x 67 poles.
L1462 x 63, carried on L14 x 67 poles.
Power supplied from Cedar Rapid Power Co. lines at 110,000 volts.

OF LINES

SYMBOL "L"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers						
1	2 B.&S.G.s-r. alum.	None	5/16" galv. steel	C.P. 1725	Oct. 8, 1920	Feb. 22, 1921
				C.P. 105		
1	6 B.&S.G. m.h-d. cop	None	None	C.P. 105	Feb. 22, 1915	Mar. 20, 1915
1	2 B.&S.G.s-r. alum.	None	1/4" galv. steel	C.P. 105	Nov. 4, 1920	May 25, 1921
at stations						
1	4/0 B.&S.G.s-r.alum.	3 x 12 galv. steel	None	C.P. 1159 C.P. 1725	April 21, 1922	Sept. 30, 1922
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	Oct. 29, 1912	Oct. 23, 1913
1	5/16" galv. steel	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	June 4, 1912	Dec. 18, 1913
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	Sept. 6, 1913	Feb. 7, 1914
1	336,000 c.m.s-r.alum	9 B.W.G.galv.iron	9/32" galv. steel	C.P. 1159 J.D. 2 units J.D. 3 units	Sept. 24, 1918	June 19, 1919
1	5/16" galv. steel	10 B.&S.G.c-c. steel	1/4" galv. steel	Thom 2111	June 4, 1912	Dec. 18, 1913
1	2 B.&S.G.s-r. alum.	3 x 12 galv. steel	9/32" galv. steel	J.D. 2 units J.D. 3 units	June 4, 1920	Jan. 18, 1921
1	2 B.&S.G.s-r. alum.	3 x 12 galv. steel	9/32" galv. steel	J.D. 2 units J.D. 3 units	July 15, 1920	Jan. 18, 1921
1	2 B.&S.G.s-r. alum.	3 x 12 galv. steel	9/32" galv. steel	J.D. 2 units J.D. 3 units	Aug. 12, 1920	Jan. 18, 1921
1	6/0 B.&S.G.s-r.alum.	6 B.&S.G.s-r. al'm.	9/32" galv. steel	C.P. 1159 J.D. 2 units J.D. 3 units	Jan. 13, 1921	May 26, 1921
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c.steel	1/4" galv. steel	C.P. 133	Oct. 16, 1914	April 4, 1915
2	5/16" galv. steel 1-c. 3/0 B.&S.G.alum.1-c	10 B.&S.G.c-c.steel	1/4" galv. steel	Thom 2111	June 4, 1912	Dec. 18, 1913
at junctions						
1	3/0 B.&S.G. alum.	9 B.W.G. galv. iron	9/32" galv. steel	C.P. 1159 J.D. 2 units J.D. 3 units	May 7, 1918	April 30, 1919
1	3/0 B.&S.G. alum.	9 B.W.G.galv.iron	9/32" galv. steel	C.P. 1159 J.D. 2 units J.D. 3 units	May 7, 1918	April 30, 1919
1	2 B.&S.G.s-r. alum.	None	None	C.P. 105	Jan. 15, 1921	Feb. 22, 1921
1	2 B.&S.G.s-r. alum.	None	None	C.P. 105	Jan. 30, 1921	Feb. 22, 1921
1	2 B.&S.G.s-r. alum.	3 x 12 galv. steel	9/32" galv. steel	J.D. 2 units J.D. 3 units	June 2, 1920	Jan. 18, 1921
1	2 B.&S.G.s-r. alum.	3 x 12 galv. steel	9/32" galv. steel	J.D. 2 units J.D. 3 units	Aug. 11, 1920	Jan. 18, 1921
1	336,000 c.m.s-r.alum	9 B.W.G.galv.iron	9/32" galv. steel	C.P. 1159 J.D. 2 units J.D. 3 units	Sept. 24, 1918	June 19, 1919
1	5/16" galv. steel	10 B.&S.G.c-c.steel	1/4" galv. steel	C.P. 133	Aug. 21, 1922	Aug. 21, 1922
1	3/0 B.&S.G. alum.	10 B.&S.G.c-c.steel	1/4" galv. steel	C.P. 133	Oct. 16, 1914	April 4, 1915

DESCRIPTION

RIDEAU SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
H.	R.L.							
8 x 2	1	Balderson dist. sta.....	Perth dist. sta.....	35	132	4.95	201	26,400
55 x 3	2	Pole No. 1328, H55....	Smith's Falls dist. sta.	35	132	5.64	233	26,400
55 x 5	4	Pole No. 1328, H55....	Carleton Place dist.sta	30	150	14.24	523	26,400
3 x 7	3	Smith's Falls dist. sta..	Merrickville gen. sta..	35	132	12.30	517	26,400
1 x 8	1	High Falls gen: sta.....	Balderson dist. sta....	35	132	16.08	666	26,400
2 x 55	2	Perth dist. sta.....	Pole No. 1328, H55...	35	132	11.31	459	26,400
8 x 801	.....	Balderson dist. sta.....	Lanark.....	30	160	4.97	171	2,300
7 x 10	.....	Merrickville gen. sta...	Grenville Crushed Rock Co.....	35	250	5.94	127	26,400
10 x 9	.....	Grenville Crushed Rock Co.....	Kemptville dist. sta...	35	250	6.19	130	26,400

THUNDER BAY SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
P.								
2(T)x231	.....	Port Arthur (temp.)..	Port Arthur sub.....	45	125	5.04	.....	22,000
1 x 50	.....	Nipigon gen. sta.....	Sprucewood.....	45	330	17.24	284	110,000
50 x 51	.....	Sprucewood jct.....	Everard switch.....	.....	.....	1.90	30	110,000
51 x 55	.....	Everard.....	Hurkett switch.....	45	330	7.06	113	110,000
55 x 52	.....	Hurkett.....	Pearl switch.....	.....	.....	15.05	243	110,000
52 x 53	.....	Pearl.....	Sibley switch.....	45	330	12.95	209	110,000
53 x 54	.....	Sibley.....	Bear Point jct.....	45	330	13.88	227	110,000
54x2(T)	.....	Bear Point jct.....	Pt. Arthur (temp.) trans. sta.	45	330	0.35	6	110,000
1 x 56	.....	Nipigon gen. sta.....	Nipigon jct.....	Right-of-way cleared and telephone				
56 x 50	.....	Nipigon jct.....	Sprucewood jct.....	45	330	6.43	106	110,000
56 x 6	.....	Nipigon jct.....	Nipigon Fibre & P. Co.	45	330	0.25	5	110,000
261 x 231	.....	Lyon ave. jct.....	Port Arthur dist. sta..	45	125	2.18	.....	22,000
261x2(P)	.....	Lyon Ave. jct.....	Port Arthur trans. sta.	45	125	1.64	.....	22,000
2(P)x301	.....	Port Arthur trans. sta.	Kaministiquia Power Co. jct.....	45	125	0.70	.....	22,000

NOTE.—For operating purposes, sections P50 x P6 have been grouped and are known as P50 x 6. For operating purposes, sections P50 x P2 (temporary station) have been grouped and Circuits in the section 2(T) x 231 are owned by the municipality of Port Arthur.

OF LINES

SYMBOL "H"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	9/32" galv.steel	C.P. 889	Aug. 22, 1918	June 23, 1919
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	9/32" galv. steel	C.P. 889	April 12, 1918	Feb. 18, 1919
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	9/32" galv.steel	C.P. 889 O.B. 11622	May 7, 1919	May 31, 1920
1	5/16" galv. steel	9 B.W.G.galv.iron	¼" galv. steel	C.P. 889	Nov. 27, 1917	Sept. 5, 1918
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	9/32" galv.steel	C.P. 889	Aug. 22, 1918	June 23, 1919
1	125,000 c.m.s-r.alum	9 B.W.G.galv.iron	9/32" galv.steel	C.P. 889	April 12, 1918	Feb. 18, 1919
1	2 B.&S.G.s-r.alum.	None	None	C.P. 105	July 26, 1921	Sept. 29, 1921
1	3 x 12 galv. steel	3 x 12 galv. steel	None	O.B. 9410	July 26, 1921	Nov. 28, 1921
1	3 x 12 galv. steel	3 x 12 galv. steel	None	O.B. 9410	July 26, 1921	Nov. 28, 1921

SYMBOL "P"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
2	4/0 B.&S.G.s-r.alum.	No. 10 copper	¼" galv. steel	C.P. 889	Prop. of Port	Arthur 1920
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	C.P. 2133	Dec. 17, 1919	Dec. 20, 1920
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	C.P. 2133	Dec. 17, 1919	Dec. 20, 1920
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	O.B. 12464	Mar. 1, 1919	Dec. 20, 1920
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	O.B. 12464	Mar. 1, 1919	Dec. 20, 1920
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	C.P. 2133	Oct. 27, 1919	Dec. 20, 1920
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	C.P. 2133	May 3, 1919	Dec. 20, 1920
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	C.P. 2133	Nov. 4, 1920	Dec. 20, 1920
line in	stalled only					
1	4/0 B.&S.G.s-r.alum.	3 x 12 galv. steel	9/32" galv. steel	C.P. 2133	Nov. 20, 1920	April 29, 1921
1	4/0 B.&S.G.s-r.alum.	3 x 12 galv. steel	9/32" galv. steel	C.P. 2133	Mar. 9, 1921	April 29, 1921
Ind. poles	205,500 c m. alum.					
2	3/0 B.&S.G. alum...	10 B.&S.G. copper	¼" galv. steel	O.B. 9410	.....	1910
2	205,500 c.m. alum... 3/0 B.&S.G. alum.	10 B.&S.G. copper	¼" galv. steel	O.B. 9410	.....	1910 restrung 1914
2	205,500 c.m. alum. 3/0 B.&S.G. alum.	10 B.&S.G. copper	¼" galv. steel	O.B. 9410	.....	1910 restrung 1917

are known as P50 x 2(T)

DESCRIPTION

CENTRAL ONTARIO AND TRENT SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
C.								
2 x 3*	.....	Sydney gen. sta.....	Sydney terminal sta...	.....	.....	.....	None	6,600
5 x 3	62 & 63	Frankford gen. sta.....	Sydney terminal sta...	35	100	4.70	240	6,600
53 x 3	R	Wooler pole, C53	Sydney terminal.....	40	176	6.43	207	44,000
96 x 6	H	Picton jct., C96.....	Brighton trans. sta....	35	132	7.30	307	44,000
6 x 7	H	Brighton trans. sta.....	Colborne trans. sta....	35	132	10.10	366	44,000
12 x 11	12 Tie line	Campbellford mun.sta.	Seymour gen. sta.....	30	132	1.20	50	2,400
7 x 13	H	Colborne trans. sta.....	Cobourg trans. sta....	35	132	13.80	644	44,000
13 x 16	H	Cobourg trans. sta.....	Port Hope trans. sta..	35	132	6.70	256	44,000
17 x 18*	20	Peterboro hydraulic ...	Auburn gen. sta.....	.....	.....	1 00	.....	2,400
18 x 19	80 & 81	Auburn gen. sta.....	Auburn trans. sta.....	Underground	Cables	200 ft.		6,600
18 x 20	83, 84 & 85	Auburn gen. sta.....	Peterboro trans. sta...	30–50	100	2.00	105	6,600
66 x 22	C	Port Hope sw. sta.....	Newcastle trans. sta. .	35	132	15.60	717	44,000
22 x 23	C	Newcastle trans. sta....	Bowmanville trans.sta.	35	132	4.50	206	44,000
				40	150	1.20	40	44,000
23 x 24	C	Bowmanville trans. sta.	Oshawa trans. sta.....	35	132	9.70	437	44,000
75 x 25	Millb'k Tap	Millbrook jct., C75....	Millbrook trans. sta...	35	132	1.70	71	44,000
76 x 29	L	Omemee sw. tower.....	Lindsay trans. sta.....	35	132	13.20	559	44,000
30 x 29	100 & 101	Fenelon Falls gen. sta.	Lindsay trans. sta.....	30	100	13.00	725	11,000
14 x 31	Y	Heely Falls gen. sta....	Norwood trans. sta....	40	300	10.44	174	44,000
47 x 32	.....	Marmora trans. sta....	Deloro trans. sta.....	35	132	4.10	182	44,000
83 x 33	Madoc Tap	Madoc jct., C83.....	Madoc trans. sta.....	35	132	9.60	437	44,000
83 x 34	A	Madoc jct., C83.....	Sulphide trans. sta....	35	132	20.30	862	44,000
85 x 35	Stirling Tap	Stirling jct., C85.....	Stirling trans. sta.....	35	132	0.20	8	44,000
86 x 36	Pulp M. Tap	Pulp Mill jct., C86....	Campbellford Pulp Mill trans. sta.....	35	132	1.40	55	44,000
87 x 37	64 & 65	Brit. Chem. Co. jct.C87	Trenton trans. sta. ...	30	132	0.50	20	6,600
88 x 38	B'ville Tap	Belleville sw. sta.....	Belleville trans. sta. ..	35	132	1.30	41	44,000
90 x 39	B.C.Co. Tap	Belleville Chem. Co. jct., C90.	Belleville Cement Co. sta.	35	132	1.00	55	44,000
90 x 40	Quarry Tap	Belleville Cement Co. jct., C90	Pt. Anne Quarries sta.	35	132	0.90	49	44,000
91 x 41	E & F	Lehigh jct., C91.....	Lehigh Cem. Co. trans. sta.....	35	132	0.60	33	44,000
92 x 42	J	Deseronto jct., C92....	Deseronto trans. sta. .	35	132	2.80	115	44,000
92 x 43	J	Deseronto jct., C92....	Napanee trans. sta....	35	132	6.00	246	44,000
43 x 44	J	Napanee trans. sta.....	Kingston trans. sta. ..	40	175	26.50	863	44,000
96 x 45	Picton Tap	Picton jct., C96.....	Wellington trans. sta..	40	176	17.45	511	44,000
45 x 46	Picton Tap	Wellington trans. sta...	Picton trans. sta.....	40	176	10.80	331	44,000
82 x 47	Deloro Tap	Deloro jct., C82.....	Marmora trans. sta...	35	132	10.40	464	44,000

NOTE.—*C2 x 3, underground cables only.
*C17 x 18, carried on C18 x 20 poles.

OF LINES

SYMBOL "C"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at transformers or generating stations						
2	.....	Style "B".....	.....	.....	.....	1911
3	300,000 c.m. alum.	9 B.W.G. galv. iron	5/16" galv. steel	Locke 298	.....	1912
1	2/0 B.&S.G. copper	10 B.&S.G. c-c. steel	1/4" galv. steel	O.B. 11623	.....	1918
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159 O.B. 11623	.....	1911
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1911
3	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	.....	.....	.....	1910
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1911
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1911
1	1 B.&S.G. copper	.....	.....	.....	.....	1902 Rebuilt 1918
2	.....	.....	.....	.....	.....	.....
3	2/0 B.&S.G.cop. 1-cir. 1 B.&S.G. cop. 2-cir.	.....	.....	.....	.....	1902 Rebuilt 1918
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron.	5/16" galv. steel	C.P. 1159	.....	1911
1	4/0 B.&S.G.s-r.alum.	9 B.W.G. galv. iron.	5/16" galv. steel	C.P. 1159	.....	1911
2	4/0 B.&S.G.s-r.alum.	9 B.W.G. galv. iron.	5/16" galv. steel	C.P. 1159	.....	1911
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron.	5/16" galv. steel	C.P. 1159	.....	1911
1	6 B.W.G. galv. iron.	9 B.W.G. galv. iron	5/16" galv. steel	O.B. 10638	.....	1912
1	2/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1912
2	4 B.&S.G. copper	9 B.W.G. galv. iron	barbed wire	.....	.....	1899
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	C.P. 1725	2-susp. 3-strain.	1920
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1909
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1910
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	O.B. 25529	.....	1910
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1910
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1911
2	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	.....	.....	.....	1911 Rebuilt 1917
1	4/0 B.&S.G. alum. 2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1910
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1911
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1911
2	2 B.&S.G.s-r. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	....
1	1/4" x 5/16" galv.steel	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1912
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1912
1	1/0 B.&S.G. copper	9 B.W.G. galv. iron	1/4" galv. steel	C.P. 1725	.....	1917
1	9/32" galv. steel	9 B.W.G. galv. iron	9/32" galv. steel	C.P. 1159	.....	1919
1	9/32" galv. steel	9 B.W.G. galv. iron	9/32" galv. steel	C.P. 1159	.....	1919
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1909

DESCRIPTION

CENTRAL ONTARIO AND TRENT SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
								Lines terminating
C.								
86 x 52	G	Pulp Mill jct. C86.....	G.B. jct., C52.....	35	132	14.20	641	44,000
14 x 61	O	Heely Falls.....	Campbellford jct.,C61.	35	132	3.60	169	44,000
16 x 66	H	Port Hope.....	Port Hope sw. sta.....	35	132	0.20	7	44,000
66 x 75	K	Port Hope sw. sta.....	Millbrook jct., C75...	35	132	15.50	663	44,000
79 x 76	L	Lindsay jct., C79.....	Omemee sw. tower C76	35	132	6.00	253	44,000
75 x 79	K	Millbrook jct., C75....	Lindsay jct., C79.....	35	132	10.70	447	44,000
11 x 82	A	Seymour gen. sta.....	Deloro sw. sta., C82..	35	132	5.50	244	44,000
84 x 83	A	Harold jct., C84.....	Madoc jct., C83.....	35	132	5.10	212	44,000
82 x 84	A	Deloro jct., C82.....	Harold jct., C84.....	35	132	4.50	182	44,000
85 x 84	Q	Stirling jct., C85.....	Harold jct., C84.....	35	132	8.30	308	44,000
52 x 85	Q	G. B. jct., C52.....	Stirling jct., C85.....	35	132	1.10	46	44,000
11 x 86	G	Seymour gen. sta.....	Pulp Mill jct., C86...	35	132	1.20	57	44,000
3 x 87	64 & 65	Sidney terminal sta....	Br. Chem. Co., jct.C87	30	132	0.70	28	6,600
3 x 88	M	Sidney terminal sta....	Belleville sw. sta.....	35	132	12.70	516	44,000
52 x 88	B	G.B. jct., C52.....	Belleville sw. stn.....	35	132	13.00	568	44,000
88 x 90	E & F	Belleville sw. sta.....	Belleville Cem. Co., jct., C90.....	35	132	4.80	246	44,000
90 x 91	E & F	Belleville Cem. Co. jct. C90	Lehigh jct., C91.....	35	132	1.00	51	44,000
91 x 92	J	Lehigh jct., C91.....	Deseronto jct., C92...	35	132	11.20	552	44,000
3 x 96	H	Sidney terminal sta....	Picton jct., C96.....	35	132	4.70	203	44,000
10 x 60	.....	Ranney Falls gen. sta..	Pole No. 249, C60....	40	125	0.38	15	44,000
64 x 49	.....	Jct. pole No. 358, C64	Warksworth sta., C49.	40	176	2.56	79	44,000
49 x 53	.....	Warksworth sta. C49...	Wooler pole No. 768C53	40	176	10.38	330	44,000
14 x 60	.....	Heely Falls gen. sta....	Pole No. 249, C60....	40	176	17.48	249	44,000
8 x 64	.....	Dam No. 8, gen. sta.C8..	Pole No. 358, C64....	40	125	0.60	24	44,000
31 x 69	.....	Norwood trans. sta....	Auburn switch sta....	40	300	17.89	301	44,000
79 x 69	.....	Lindsay jct., C79.....	Auburn switch sta....	35	132	8.70	384	44,000
9 x 59	.....	Dam No. 9.....	Pole No. 289, C59....	40	125	0.73	11	44,000
60 x 59	.....	Pole No. 249, C60.....	Pole No. 289, C59....	40	176	1.26	40	44,000
59 x 64	.....	Pole No. 289, C59.....	Pole No. 358, C64....	40	176	2.14	70	44,000

OF LINES

SYMBOL "C"—Continued

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at switching stations or junctions						
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1911
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1912
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1911
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	Pole 1-600 362 Locke	.....	1912
1	2/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	.....
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	P.600-630 362 Locke	.....	1912
1	2 B.&S.G. alum.	9 B W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1909
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	O.B. 25529 C.P. 1159	.....	1910
1	2 B &S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1909
1	2 B.&S.G alum.	9 B W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1910
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1910
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	362 Locke Retested	.....	1911
2	4/0 B.&S.G. alum.	9 B.W G. galv. iron	.....	.....	.....	1911 Rebuilt 1917
1	4/0 B &S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1911
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159 O.B. 11623	.....	1910
2	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159 O.B. 12855	.....	1911
2	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1911
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1912
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	O.B. 11623	.....	1911
2	4/0 B.&S.G.s-r.alum.	10 B.&S.G.c-c.steel	None	C.P. 1159 C.P. 1725	.....	Aug. 12, 1922
1	2/0 B.&S.G. copper	10 B.&S.G.c-c.steel	1/4" galv. steel	O.B. 11623	.....	1923
1	2/0 B.&S.G. copper	10 B.&S.G.c-c.steel	1/4" galv. steel	O.B. 11623	.....	1918
1	2/0 B.&S.G. copper	10 B.&S.G.c-c.steel	1/4" galv. steel	O.B. 11623	.....	1918
1	4/0 B.&S.G.s-r.alum.	10 B.&S.G.c-c.steel	None	C.P. 1159	.....	1923
1	4/0 B.&S.G.s-r.alum.	3 x 13 galv. steel	9/32" galv. steel	C.P. 1925	2-susp. 3-strain.	1920
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 1159	.....	1912
1	3/0 B.&S.G.s-r.alum.	1/4" galv. steel	None	O.B. 12464	.....	1923
1	2/0/B.&S.G. copper	10 B.&S.G.c-c.steel	1/4" galv. steel	O.B. 11623	.....	1918
1	2/0/B.&S.G. copper	10 B.&S.G.c-c.steel	1/4" galv. steel	O.B. 11623	.....	1918

DESCRIPTION

CENTRAL ONTARIO AND TRENT SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
			Lines terminating					
87 x 301	.....	Br. Chem. Co. jct., C87	Br. Chem. Co. Trenton	30	132	0.10	6	6,600
5 x 501	70	Frankford gen. sta.....	Companies at Frankf'd	30	132	2.00	85	6,600
11 x 1101	.....	Seymour gen. sta.....	Co.s at Campbellford.	30	132	1.25	50	2,400
11 x 1106	72	Seymour gen. sta.....	Hoard's.....	30	150	12.00	.....	6,600
†18x1801	82	Auburn gen. sta.....	Auburn Woollen Mills	30	132	0.10	5	6,600
22 x 2201	.....	Newcastle trans. sta....	Newcastle.....	35	132	1.00	40	2,400
2201 x 2	Orono	Newcastle.....	Orono.....	30	132	5.00	210	2,400
24 x 2402	Whitby	Oshawa trans. sta.	Whitby.....	30	132	4.00	175	4,160
†30x3001	.....	Fenelon Falls gen. sta..	Fenelon Falls.....	.....	550	.....	.....	.....
†33x3302	.....	Madoc trans. sta.	Can. Sulphur Ore.....	.....	.....	.....	.....	.....
3363 x 3	.....	Cross & Wellington jct., C3363	Cross & Wellington...	30	132	1.50	60	4,160
3365 x 5	.....	Gillespie Talc Mine jct.. C3365	Gillespie Talc Mines..	30	132	0.10	3	4,160
3365 x 6	.....	Gillespie Talc Mine jct., C3365	Anglo-American Talc	30	132	0.20	8	4,160
33 x 3307	.....	Madoc trans. sta.	Gillespie Talc Mill....	30	132	1.00	40	4,160
33 x 3363	.....	Madoc trans. sta.	Cross & Wellington jct. C3363	30	132	0.80	32	4,160
3363 x 65	.....	Cross & Wellington jct., C3363	Gillespie Talc Mine jct. C3365	30	132	1.25	50	4,160
34 x 3402	.....	Sulphide trans. sta.	Tweed.....	30	132	6.00	240	4,160
43 x 4302	Newburgh	Napanee trans. sta.	Newburgh.....	30	132	7.92	328	4,160
†45x4502	B'field	Wellington trans. sta...	Bloomfield.....	.....	.....	6.53	.....	4,160
14 x 1401	73	Heely Falls power hse..	Ontario Rock Co.....	30	150	6.01	222	6,600
18 x 1832	82	Auburn gen. sta.....	Lakefield trans. sta. .	30	150	7.92	290	6,600
26 x 2601	.....	Omemee trans. sta.	Omemee.....	30	132	1.00	40	4,160
31 x 3102	.....	Norwood trans. sta ...	Havelock.....	30	150	6.62	259	4,000
49 x 1	.....	Warksworth sta.....	Warksworth.....	30	160	3.50	140	2,300

* And 2 towers.

NOTE.—† C18 x 1801 carried on C18 x 1832 poles.
C45 x 4502 carried on C45 x 46 poles.
C30 x 3001—1 span only, crossing river.,
C33 x 3302—This line has been dismantled.

NIPISSING SYSTEM—

New section number	Old section number	From	To	Avg. height of poles in feet	Avg. span in feet	Miles	No. of poles	Voltage
Z.								
1 x 101	.....	Nipissing gen. sta.....	Nipissing village.....	28	126	2.50	128	2,200
1 x 52	.....	Nipissing gen. sta.....	Powassan tap, Z52....	34	126	3.00	137	22,000
52 x 3	.....	Powassan, Z52.....	Callendar dist. sta....	34	126	7.00	318	22,000
3 x 4	.....	Callendar dist. sta.....	North Bay dist. sta...	35	126	8.20	401	22,000
6 x 52	.....	Bingham Chute gen. sta.	Bingham Chute jct. .	35	132	0.55	.....	22,000
52 x 56	.....	Powassan tap.....	Bingham Chute jct...	32	126	3.38	.....	22,000
56 x 2	.....	Bingham Chute jct....	Powassan.....	32	126	0.62	.....	22,000

OF LINES

SYMBOL "C"—Continued

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
at customers and junctions						
1	4/0 B.&S.G. alum.	9 B.W.G. galv iron	.....	.....	.....	1917
1	6 B.&S.G. copper 2 B.&S.G. alum.	.....	.....	.....	.....	1914
1	4/0 B.&S.G. alum.	9 B.W.G. galv. iron	9/32" galv. steel	.....	.....	1912
1	2 B.&S.G. alum.	.....	.....	Locke 298	.....	1912
1	9/32" galv. steel	.....	.....	.....	.....	Rebuilt 1918
1	4 B &S.G.w.p. cop'r	.....	.....	.....	.....	1911
1	2 B.&S.G. alum.	.....	.....	.....	.....	1912
1	4/0 B.&S.G. alum.	.....	5/16" galv. steel	.....	.....	1912
1	4/0 B.&S G. alum.	.....	.....	.....	.....	1914
.....	.....	.....	.....	.....	.....	.....
1	1 B.&S.G. std. copper	.....	5/16" galv. steel	.....	.....	1917
1	2 B &S.G. alum.	.....	5/16" galv. steel	.....	.....	1914
1	6 B.&S G. copper	.....	5/16" galv. steel	.....	.....	1916
1	2 B.&S.G. alum.	.....	.....	.....	.....	1914
1	2/0 B.&S.G. copper	.....	5 16" galv. steel	.....	.....	1911 Rewired 1918
1	2 B.&S.G. alum.	.....	5/16" galv. steel	.....	.....	1918
1	2/0 B.&S.G. alum.	9 B.W.G. galv. iron	9/32" galv. steel	.....	.....	1912
1	2 B.&S.G solid copp'r	.....	6 B.W.G. galv iron	.....	.....	1917
1	2 B.&S.G.s-r. alum.	.....	.....	C.P. 105B	.....	1919
1	2 B &S.G s-r. alum.	.....	9/32" galv. steel	Thom. 2041	.....	1920
1	2 B &S.G.s-r. alum.	.....	9/32" galv. steel	Thom. 2041	.....	1920
1	6 B &S G.w.p cop'r	.....	9/32" galv. steel	.....	.....	1917
1	2 B.&S.G.s-r. alum.	.....	4x12 galv. steel	C.P. 505	.....	1921
1	6 B.&S.G.h-d. bare copper	None	6 B.&S.G. h-d. bare copper	C.P. 105	.....	Sept. 1923

SYMBOL "Z"

No. of circuits	Size and material of power cable	Size and material of telephone wire	Size and material of ground cable	Make and style of power insulators	Date work began	Date placed in operation
1	6 B.&S.G.w.p. cop'r	None	None	Similar to O.B. 9410	1911	1911
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	do.	Aug., 1909	Mar., 1910
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	do.	Aug., 1909	Mar., 1910
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	1/4" galv. steel	do.	Aug., 1909	Mar., 1910
1	1/0 B.&S.G. s-r. alum.	9 B.W.G. galv. iron	5/16" galv. steel	C.P. 899	May 1, 1923	Dec. 2, 1923
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	O.B. 9410	Nov., 1911	1911
1	2 B.&S.G. alum.	9 B.W.G. galv. iron	5/16" galv. steel	O.B. 9410	Nov., 1911	1911

DISTRIBUTION LINES AND SYSTEMS

Below is shown in tabular form the work carried on under the supervision of the Distribution section of the Electrical Engineering and Laboratory department during the year ended October 31, 1923.

This work includes the construction of rural distribution systems, the installation of a number of 4,000- and 2,300-volt feeders to supply urban municipalities and some special consumers, and the construction of metering equipments. Distribution systems were constructed by the Commission for certain municipalities, at the request and at the expense of the municipalities concerned.

RURAL DISTRIBUTION SYSTEMS CONSTRUCTED

Rural power district	Property number	At October 31, 1922		At October 31, 1923	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIAGARA SYSTEM					
Niagara	N1D1	3.50	13	3.50	13
Homer	N1D2	.....	.....	2.57	40
Jordan	N1D3	8.00	24	16.12	63
Beamsville	N1D4	16.00	.....	36.35	255
Welland	N1D5	0.65	38	0.65	49
Stamford	N1D6	6.50	114	6.88	159
Chippawa	N1D7	7.55	79	7.55	79
Dundas	N2D1	4.30	22	4.30	25
Lynden	N2D2	5.50	35	10.50	35
Waterdown	N2D3	1.89	29	1.89	33
Markham	N3D1	3.88	.....	7.75	114
Scarboro	N3D2	.....	.....	0.65	1
Dorchester	N4D1	30.00	206	32.76	226
London	N4D2	3.00	.....	12.65	66
Delaware	N4D3	9.30	.....	21.28	139
Exeter	N4D6	6.00	.....	12.25	131
Preston *a*	N6D1	10.98	103	22.48	203
Galt	N6D2	3.10	.....	3.25	26
Baden *a*	M7D1	.....	.....	5.50	36
St. Jacobs	N7D2	1.70	.....	2.70	51
Tavistock	N8D1	.....	.....	3.70	49
Woodstock *a*	N10D2	33.00	2	57.63	249
Ingersoll *a*	N10D3	.....	.....	0.12	1
Tillsonburg	N10D4	.....	.....	1.50	.....
St. Thomas	N11D1	.....	.....	22.30	29
Aylmer *a*	N11D2	6.00	1	6.00	1
Brant *a*	N12D1	10.00	.....	13.90	94
Waterford	N12D3	.....	.....	0.19	1
Drumbo	N12D5	7.50	65	7.50	77
Simcoe	N12D6	.....	.....	0.23	11
Streetsville	N13D1	.....	.....	1.41	4
Brampton	N13D2	.....	.....	1.13	4
Chatham	N14D1	22.80	86	27.38	136
Ridgetown	N14D2	25.20	.....	25.20	135
Sarnia	N14D4	.....	.....	9.75	.....
Petrolia	N14D5	.....	.....	1.33	10
Wallaceburg	N14D13	8.00	.....	23.10	62
Sandwich	N15D1	5.70	37	6.14	68
Belle River	N15D2	7.00	.....	12.50	114
Woodbridge	N16D1	.....	.....	1.86	18
Saltfleet	N17D1	43.50	362	59.90	624

RURAL DISTRIBUTION SYSTEMS CONSTRUCTED—Continued

Rural power district	Property number	At October 31, 1922		At October 31, 1923	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
ESSEX COUNTY SYSTEM					
Kingsville	J4D1	.....	.....	4.00	86
SEVERN SYSTEM					
Barrie	S4D1	.....	.....	5.20	20
Nottawasaga	S5D1	4.00	59	4.00	63
Stayner	S10D1	.....	.....	11.00	105
EUGENIA SYSTEM					
Flesherton	E1D1	1.56	18	1.76	19
Ripley	E24D2	.....	1	.....	1
Walkerton Quarries	E26D1	1.60	4	1.60	4
WASDELLS SYSTEM					
Cannington	W3D1	1.25	3	1.25	3
Port Perry	W7D2	.....	.....	.....	13
Mariposa	W9D1..	.....	.....	18.50	104
ST. LAWRENCE SYSTEM					
Prescott	L2D1	13.55	66	13.55	66
Brockville[a]	L3D1	6.50	27	8.26	27
Chesterville	L5D1	3.25	13	3.25	13
Martintown	L13D1	0.25	26	2.90	47
OTTAWA SYSTEM					
Nepean	T1D1	18.61	78	25.00	109
CENTRAL ONTARIO AND TRENT SYSTEM					
Kingston	C44D1	.....	.....	10.80	54

[a]Indicates that part of construction shown had been built previously and later transferred to rural power district capital.

RURAL DISTRIBUTION SYSTEMS CONSTRUCTED—Concluded

SUMMARY

System	At October 31, 1922		At October 31, 1923	
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
Niagara system	284.05	1,216	494.35	3,431
Essex County system	.....	.....	4.00	86
Severn system	4.00	59	20.20	188
Eugenia system	3.16	23	3.36	24
Wasdells system	1.25	3	19.75	120
St. Lawrence system	23.55	132	27.96	153
Ottawa system	18.61	78	25.00	109
Central Ontario and Trent system	.....	.....	10.80	58
Total	334.62	1,511	605.42	4,169

DISTRIBUTION FEEDERS CONSTRUCTED

Line and property number	Voltage	Phase	Date work was commenced	Date work was made alive	Date work was completed	Mileage
NIAGARA SYSTEM						
Grimsby to Growers' Cold Storage....N153x23	4,000	3	Oct. 15, 1922	.....	.....	0.46
Sunnyside to Sutton...N26x310	4,000	3	July 16, 1923	July 18, 1923	July 21, 1923	2.5
Mountjoy to StouffvilleN342x11	4,000	3	Aug. 20, 1923	Sept. 25, 1923	Sept. 24, 1923	6.4
Hespeler to Christie, Henderson Co.....N604x5	4,000	3	June 18, 1923	Oct. 6, 1923	July 27, 1923	3.2
Ayr to H.O. Cereal Co.N1240x18	4,000	3	Mar. 14, 1923	Mar. 28, 1923	Mar. 30, 1923	1.5
Fletcher to Merlin.....N1455x26	4,000	3	Nov. 7, 1922	Dec. 21, 1922	Dec. 21, 1922	4.7
Corunna to Courtright.N1488x28	4,000	3	Oct. 17, 1923	.....	.....	4.5
Belle River Station to Belle River.....N1538x8	4,000	3	Oct. 26, 1922	Dec. 5, 1922	Dec. 5, 1922	0.14
Atlas Brick Co. to Christie, Henderson Co.....NCR143	2,300	3	Feb. 19, 1923	Mar. 14, 1923	April 20, 1923	1.8
EUGENIA SYSTEM						
Chesley to Paisley....E4x402	4,000	3	May 29, 1923	Aug. 13, 1923	Aug. 13, 1923	10.7
CENTRAL ONTARIO AND TRENT SYSTEM						
Warkworth substation to Warkworth.....C49x1	2,300	1	June 29, 1923	Sept. 29, 1923	Sept. 29, 1923	3.5

DISTRIBUTION FEEDERS CONSTRUCTED—Concluded

SUMMARY

System	Mileage
Niagara system	25.2
Eugenia system	10.7
Central Ontario and Trent system	3.5
Total	39.4

METERING STATIONS CONSTRUCTED

Station	Property number	Date work was completed	Measuring power for
NIAGARA SYSTEM			
H.O. Cereal Co	N1248	Mar. 28, 1923	H.O. Cereal Co., near Ayr.
Christie, Henderson Company	N635	July 27, 1923	Christie, Henderson Co., near Hespeler.
Sutton	N340	Sept. 24, 1923	Municipality of Sutton.
Dundas	N2D31	May 2, 1923	Dundas rural power district.
Otterville	N1038	Aug. 26, 1923	Municipality of Otterville.
Mohawk Sand & Gravel Co	N1250	July 12, 1923	Mohawk Sand & Gravel Co., near Brantford.
Markham	N3D31	Dec. 31, 1922	Markham rural power district.
SEVERN SYSTEM			
Barrie	S4D31	Aug. 21, 1923	Barrie rural power district.
Stayner	S10D31	Aug. 4, 1923	Stayner rural power district.
ST. LAWRENCE SYSTEM			
Lancaster	L1332	Oct. 9, 1923	Municipality of Lancaster.
CENTRAL ONTARIO AND TRENT SYSTEM			
Kingston	C44D31	Jan. 20, 1923	Kingston rural power district.

MUNICIPAL DISTRIBUTION SYSTEMS CONSTRUCTED

Municipality	Date work was commenced	Date work was made alive	Date work was completed
NIAGARA SYSTEM			
North York Township *b*	Sept. 25, 1923	Oct. 17, 1923	Oct. 25, 1923
Port Dover	Jan. 5, 1923	Jan. 15, 1923	Jan. 18, 1923
Merlin	Nov. 1, 1922	Dec. 21, 1922	Dec. 5, 1922
Belle River	Sept. 8, 1922	Dec. 5, 1922	Dec. 4, 1922
Innerkip *a*	Dec. 18, 1922	Jan. 27, 1923	Jan. 27, 1923
Bright *a*	Dec. 19, 1922	Jan. 29, 1923	Jan. 29, 1923
Stevensville *a*	Jan. 24, 1923	Jan. 31, 1923	Mar. 31, 1923
Shedden *a*	Oct. 26, 1923	Oct. 29, 1923	.....
Allenburg *a*	Jan. 20, 1923	Mar. 15, 1923	Mar. 15, 1923
WASDELLS SYSTEM			
Gamebridge *a*	Oct. 9, 1923	Oct. 11, 1923	Oct. 11, 1923
Oakwood *a*	Sept. 10, 1923	Sept. 18, 1923	Oct. 6, 1923
Little Britain *a*	Sept. 10, 1923	Sept. 29, 1923	Oct. 6, 1923
CENTRAL ONTARIO AND TRENT SYSTEM			
Warkworth	July 4, 1923	Sept. 29, 1923	Oct. 31, 1923

a Street lighting only.
b 4,000-volt feeder from Yonge street to waterworks.

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MICHIGAN

SAGINAW BAY

L. HURON

GEORGIAN BAY

SUDBURY

Great Manitoulin I.

LAKE NIPISSING

NIPISSING

BINGHAM CHUTE

PARRY SOUND

MUSKOKA

WIARTON

SOUTHAMPTON

PORT ELGIN

TARA

KILSYTH

OWEN SOUND

MEAFORD

TIVERTON

CHATSWORTH

KINCARDINE

PAISLEY

CHESLEY

ELMWOOD

GREY

BRUCE

WALKERTON

PENETANG

MIDLAND

WYEBRIDGE

NOTTAWASAGA BAY

VICTORIA HARBOUR

WAUBAUSHENE

C.P.R. ELEVATOR

G.T.R. ELEVATOR

PORT McNICOLL

BIG CHUTE

SWIFT RAPIDS

COLDWATER

ELMVALE

COLLINGWOOD

HILLSDALE

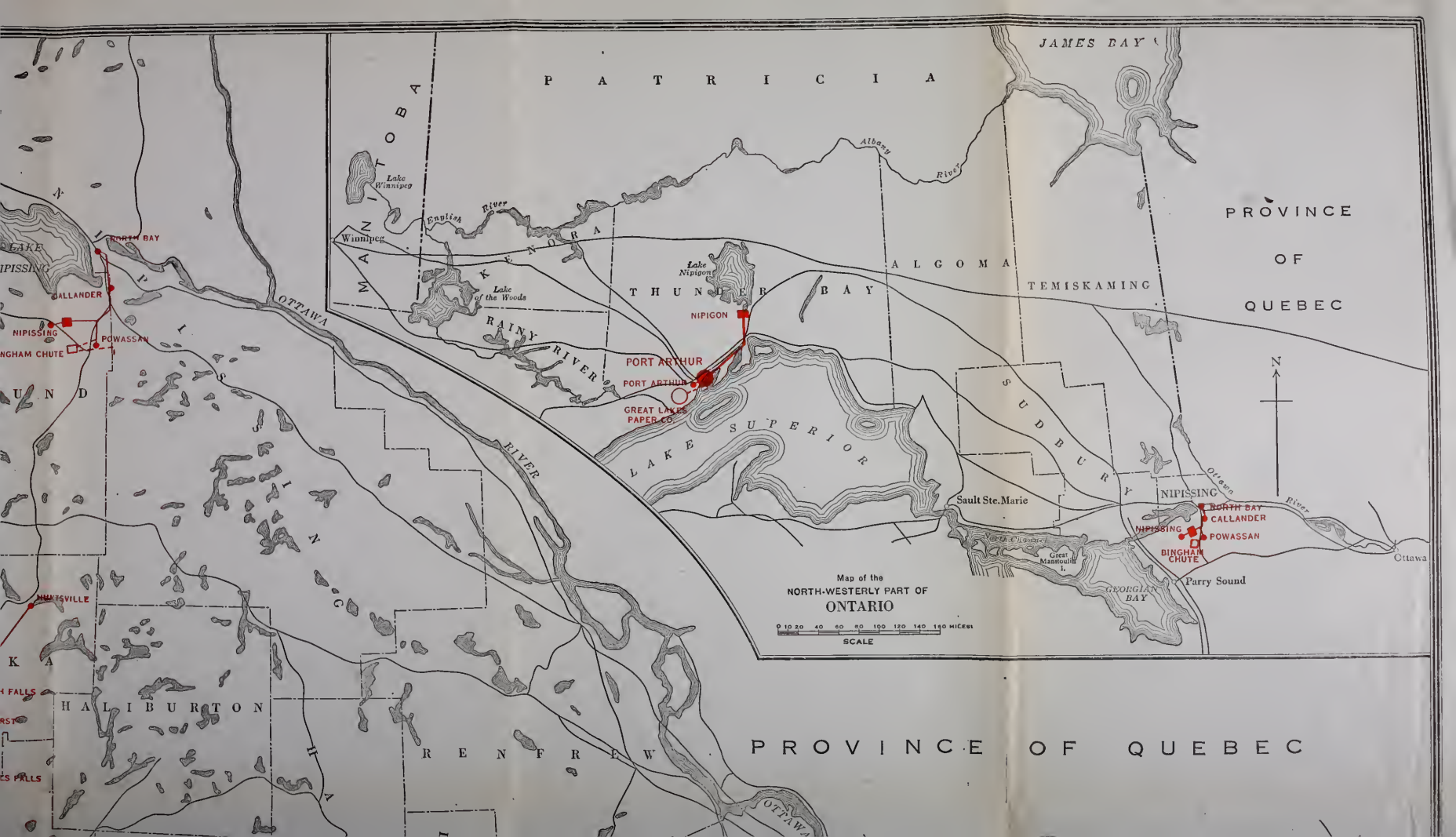
SOUTH FALLS

GRAVENHURST

WASDELLS FALLS

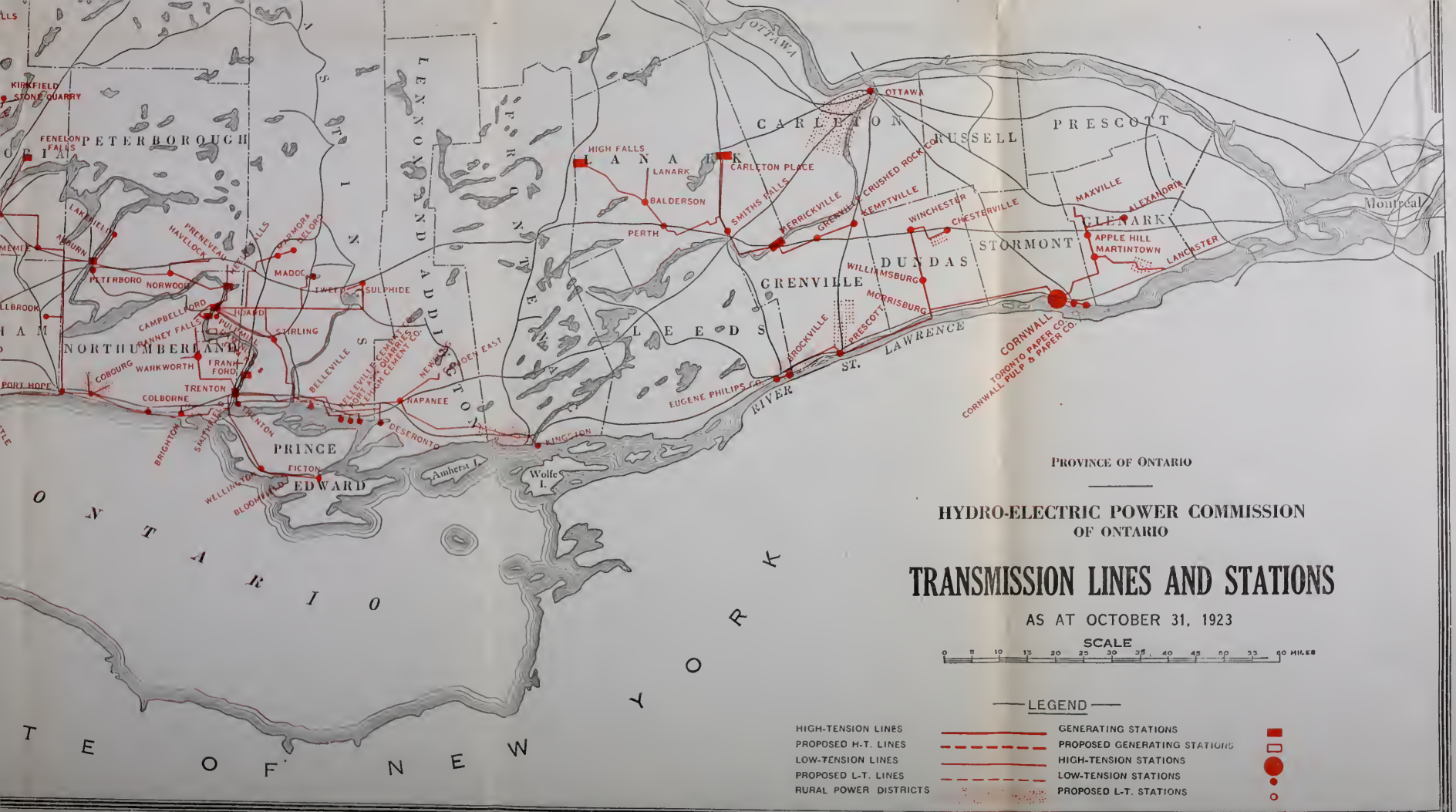
LONGFORD

HUNTSVILLE


PATRICIA
MANITOBA
ONTARIO
JAMES BAY
Lake Winnipeg
Winnipeg
English River
Albany River
Lake Nipigon
Lake of the Woods
RAINY RIVER
NIPIGON
PORT ARTHUR
PORT ARTHUR
GREAT LAKES PAPER CO.
THUNDER BAY
ALGOMA
TEMISKAMING
PROVINCE OF QUEBEC
LAKE SUPERIOR
SUDBURY
Sault Ste. Marie
NIPISSING
NORTH BAY
CALLANDER
NIPISSING
POWASSAN
BINGHAM CHUTE
Ottawa River
Ottawa
Great Manitoulin I.
GEORGIAN BAY
Parry Sound
N
Map of the
NORTH-WESTERLY PART OF
ONTARIO
0 10 20 40 60 80 100 120 140 150 MILES
SCALE
NORTH BAY
CALLANDER
NIPISSING
POWASSAN
NGHAM CHUTE
OTTAWA
RIVER
HUNTSVILLE
HALIBURTON
RENFREW
PROVINCE OF QUEBEC
OTTAWA

N

KINCARDINE
PAISLEY
CHESLEY
NOTTAWASAGA BAY
VICTORIA HARBOUR
WAUBAUSHENE
RAPIDS
COLDWATER
WASDELLS FALLS
ELMVALE
COLLINGWOOD
HILLSDALE
LONGFORD
RIPLEY
WALKERTON
ELMWOOD
MARKDALE
DURHAM
HANOVER
EUGENIA
FLESHERTON
STAYNER
ORILLIA
HOLYROOD
STONE QUARRY
LUCKNOW
TEESWATER
WROXETER
WILDMAY
NEUSTADT
RUSSELL & CO.
PRICEVILLE
CREEMORE
BARRIE
BRECHIN
GAMEBRIDGE
BEAVERTON
WOODVILLE
WINGHAM
GORRIE
CLIFFORD
HOLSTEIN
DUNDALK
CAMP BORDEN
THORNTON
GODERICH
BELGRAVE
FORDWICH
AYTON
MOUNT FOREST
HORNINGS MILLS
BLYTH
BLUEVALE
WALTON
BRUSSELS
HARRISTON
SHELBURNE
SUTTON
CANNINGTON
MARIPOSA
CLINTON
PALMERSTON
COOKSTOWN
SUNDERLAND
ALLISTON
BRADFORD
BEETON
KESWICK
GRAND VALLEY
SEAFORTH
LISTOWEL
MOOREFIELD
ARTHUR
ORANGEVILLE
TOTTENHAM
GREENBANK
LINDSAY
ZURICH
DRAYTON
NEWMARKET
OMEMEE
DASHWOOD
HENSALL
DUBLIN
MITCHELL
MILVERTON
ALTON
UXBRIDGE
STOUFFVILLE
BOLTON
POND LAKE
EXETER
ELMIRA
ELORA
FERGUS
MOUNTJOY
MARKHAM
PORT PERRY
THEDFORD
ST. JACOBS
ROCKWOOD
ACTON
CHELTENHAM
GREENWOOD
COLUMBUS
MILLBROOK
POINT EDWARD
SARNIA
RERCH
CREDITON
CENTRALIA
STRATFORD
STRATFORD
WELLESLEY
GEORGETOWN
WOOD BRIDGE
FOREST
PARKHILL
LUCAN
GRANTON
ST. MARYS
PRISON FARM
WATERLOO
ONT. AGRL. COL.
BRAMPTON
YORK
WESTON
YORK MILLS
CORUNNA
AILSA CRAIG
GUELPH
STREETSVILLE
BROOKLIN
CURTICE
ORONO
WYOMING
ST. MARYS
TAVISTOCK
BADEN
AGINCOURT
WATFORD
NEW HAMBURG
KITCHENER
H. OBERHOLTZ CO.
COURTRIGHT
EMBRO
BEACHVILLE
WOODSTOCK
MILTON
WHITBY
OSHAWA
PETROLIA
THORNDALE
PLATTSVILLE
GALT
CHESLEY CO.
BRIGDEN
THAMES FORD
DRUMBO
PRINCETON
PRESTON
MIMICO
NEW TORONTO
COOKSVILLE
TORONTO
INWOOD
STRATHROY
KOMOKA SPRINGS BANK
PARIS
ST. GEORGE
DUNDAS
WATERDOWN
PORT CREDIT
OIL SPRINGS
ALVINSTON
MOUNT BRYDGES
DELAWARE
DOMEY
MELBOURNE
CAMBETH
LONDON
DORCHESTER
INGERSOLL
WOODSTOCK
BRANT
BURFORD
BURGESSVILLE
HAMILTON
SALTFLEET JCT.
GRIMSBY
BROWERS COLD STORAGE CO.
DOMINION SUGAR CO.
DRESDEN
NEWBURY
GLENCOE
ST. THOMAS
SPRINGFIELD
NORWICH
OTTERVILLE
CALEDONIA
GRANTFORD
PORT DALHOUSIE
ST. CATHARINES
THOROLD
NIAGARA ON THE LAKE
WALLACEBURG
Thames R.
WARDSVILLE
THAMESVILLE
BOTHWELL
AYLMER
TILSONBURG
HAGERSVILLE
LITHMORE
STAMFORD
QUEENSTON
NIAGARA FALLS
CHIPPAWA
Niagara R.
Detroit
SANDWICH SALT CO.
H.E. RADIAL
ESSEX
WINDSOR
WALKERVILLE
FORD CITY
RIVERSIDE
TECUMSEH
CLAIRE BEACH
LAKE St. CLAIR
Pelee I.
Middle I.
CARNARD RIVER
BELLE RIVER
AMHERSTBURG
ESSEX
COMBER
COTTAM
TILBURY
WHEATLEY
MERLIN
FLETCHER
HARROW
LEAMINGTON
KINGSVILLE
BLENHEIM
ERIEAU
RIDGETOWN
ROMNEY
ALDBOROUGH
PORT STANLEY
JARVIS
CAYUGA
PORT DOVER
SIMCOE
DUNNVILLE
PORT ROBINSON
ELECTRO METALS
WELLAND
UNION CARBIDE
ROCK CRUSHER
INT. NICKEL CO.
PORT COLBORNE
Buffalo
Long Point
LAKE ERIE
LAKE ONTARIO
LAKE SIMCOE
STATE
COUNTY OF LAMBTON
COUNTY OF ESSEX
COUNTY OF KENT
COUNTY OF MIDDLESEX
COUNTY OF PERTH
COUNTY OF HURON
COUNTY OF WELLINGTON
COUNTY OF GREY
COUNTY OF SIMCOE
COUNTY OF DUFFERIN
COUNTY OF PEEL
COUNTY OF YORK
COUNTY OF ONTARIO
COUNTY OF DURHAM
COUNTY OF VICTORIA
COUNTY OF HALDIMAND
COUNTY OF NORFOLK
COUNTY OF BRANT
COUNTY OF WENTWORTH


PROVINCE OF ONTARIO
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
TRANSMISSION LINES AND STATIONS
AS AT OCTOBER 31, 1923
SCALE
0 5 10 15 20 25 30 35 40 45 50 55 60 MILES
LEGEND
HIGH-TENSION LINES
PROPOSED H-T. LINES
LOW-TENSION LINES
PROPOSED L-T. LINES
RURAL POWER DISTRICTS
GENERATING STATIONS
PROPOSED GENERATING STATIONS
HIGH-TENSION STATIONS
LOW-TENSION STATIONS
PROPOSED L-T. STATIONS
ONTARIO
STATE OF NEW YORK
PETERBOROUGH
NORTHUMBERLAND
PRINCE EDWARD
LENNOX AND ADDINGTON
FRONTENAC
LANARK
CARLETON
RUSSELL
PRESCOTT
GLENGARRY
STORMONT
DUNDAS
GRENVILLE
LEEDS
OTTAWA
Montreal
ST. LAWRENCE RIVER
Amherst I.
Wolfe I.
KIRKFIELD STONE QUARRY
FENELON FALLS
LAKEFIELD
AUBURN
PETERBORO
NORWOOD
MADOC
HAVELOCK
CAMPBELLFORD
BANNEY FALLS
HOARD
STIRLING
FRANK FORD
COBOURG
WARKWORTH
TRENTON
COLBORNE
PORT HOPE
BELLEVILLE
DESERONTO
NAPANEE
KINGSTON
SULPHIDE
TWEED
NEWBURGH
GLENDEN EAST
EUGENE PHILIPS CO.
HIGH FALLS
LANARK
BALDERSON
PERTH
CARLETON PLACE
SMITHS FALLS
BROCKVILLE
PRESCOTT
MORRISBURG
WILLIAMSBURG
WINCHESTER
CHESTERVILLE
MERRICKVILLE
GRENVILLE
CRUSHED ROCK CO.
KEMPTVILLE
MAXVILLE
ALEXANDRIA
APPLE HILL
MARTINTOWN
LANCASTER
CORNWALL
TORONTO PAPER CO.
CORNWALL PULP & PAPER CO.

AUDITOR'S REPORT

1922-23

Prepared pursuant to the provisions of an Order-in-Council dated the 28th day of October, 1909

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1924

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TORONTO
CANADA

To His Honour Henry Cockshutt,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour statements of the Auditor pursuant to the provisions of R.S.O., 1914, chap. 23, sec. 14, sub-sec. 2 of the Audit Act.

Respectfully submitted,

William H. Price,
Treasurer of Ontario.

Treasury Department, Ontario,
Toronto, January 22nd, 1924.

AUDIT OFFICE,
TORONTO, JANUARY 22ND, 1924.

SIR,—I have the honour to submit for the information of the Legislative Assembly, pursuant to the provisions of an Order-in-Council dated 28th October, 1909, as provided by R.S.O., 1914, chap. 23, sub-section 2 of section 32, and pursuant to the provisions of sub-section 2 of section 14, and sections 28 and 29 of the Audit Act:—

(A) Legal Opinions.
(B) Treasury Board Over-rulings.
(C) Statement of Special Warrants issued.
(D) Statement of expenditures in excess of appropriations.

Respectfully submitted,

G. A. BROWN,
Provincial Auditor.

HON. WILLIAM H. PRICE,
Treasurer of Ontario.

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A

LEGAL OPINIONS

A

LEGAL OPINIONS.

Re Law Enforcement Fund Accounts.

Provincial Auditor's Office,
Toronto, June 26th, 1922.

Dear Mr. Bayly:

Having regard to the provisions of 6 Geo. V, chap. 50, sec. 117, (1) and (2), of the Ontario Temperance Act, and section 6 (4a) and (4b) of the Constables Act, 1922, wherein provision is made for a Fund known as the Law Enforcement Fund, out of which payments may be made under direction of the Attorney-General to such officers and persons and for such purposes as he may think proper, to be expended for the purpose of enforcing or preventing the contravention of the laws of the Province of Ontario or the Dominion of Canada or any regulation made thereunder and any moneys required to be paid out of said Fund to such officers and other persons must be accounted for to the Attorney-General for the proper disbursement of the amount received and whose approval of same shall be final. I respectfully submit that in my opinion the words "whose approval of same shall be final" does not preclude the Auditor from performing certain duties imposed upon him under section 17 of the Audit Act, which reads in part as follows:—

> "No payment shall be authorized by the Auditor in respect of work performed or materials supplied by any person in connection with any part of the Public Service unless *in addition* to any other voucher or certificate which may be required the officer under whose special charge such part of the Public Service *certifies*, etc., etc."

The question has arisen bearing on certain requisitions from the Law Enforcement Officer which have been forwarded to the Treasury Department for payment, requesting that cheques issue for the amounts named in the requisitions without even submitting the accounts or having complied with section 17 of the Audit Act.

May I ask you, therefore, to be good enough to let me have your written opinion pursuant to section 14, subsection 1 (a) of the Audit Act, dealing with all payments to be made from the Fund heretofore mentioned.

I would appreciate an early reply as there are several requisitions awaiting payment.

Yours truly,

G. A. Brown,
Provincial Auditor.

Edward Bayly, Esq., K.C.,
Deputy Attorney-General,
Buildings.

Department of Attorney-General,
Toronto, 29th June, 1922.

Re Law Enforcement Fund Accounts.

Dear Mr. Brown:

I beg to acknowledge the receipt of your letter of the 26th instant requesting my opinion pursuant to clause (a) of subsection 1 of section 14 of the Audit Act.

Subsection 4 (a) and 4 (b) of section 17 of The Constables Act, as enacted in section 6 of The Constables Act, 1922, in my opinion overrides the provisions of The Audit Act with regard to all payments out of the Law Enforcement Fund.

Under subsection 4 (a) above referred to, it is provided that payments are to be made out of the Law Enforcement Fund under the direction of the Attorney-General to such officers and persons and for such purposes as he may think proper, etc. Under subsection 4 (b) it is provided that the certificate or order of the Attorney-General that any sum of money is required to be paid out of the said fund shall be sufficient authority for the issue of a cheque. The said subsection goes on to provide that the officer or other person to whom such cheque is issued shall account to the Attorney-General for the proper disbursement of the amount received by such officer or other person whose approval of same shall be final.

In my opinion under these two subsections, the duty of the Provincial Auditor is completed when he is satisfied that the Attorney-General has given a certificate or order for the payment of any amount out of the fund, that the Attorney-General is under no obligation to submit the accounts to the Provincial Auditor and that the latter has no authority to scrutinize these accounts, that duty being cast upon the Attorney-General.

Yours faithfully,

E. Bayly,
Deputy Attorney-General.

G. A. Brown, Esq.,
Provincial Auditor,
Buildings.

Provincial Auditor's Office,
Toronto, July 14th, 1922.

Dear Mr. Bayly:

I beg to acknowledge receipt of your letter of the 29th ult., *re* opinion of Law Enforcement Fund Accounts, and for which I thank you.

Yours truly,

G. A. Brown,
Provincial Auditor.

Edward Bayly, Esq., K.C.,
Deputy Attorney-General,
Buildings.

Department of Attorney-General,
Toronto, July 4th, 1922.

Re Law Enforcement Accounts.

Dear Mr. Brown:

I understand that Mr. Bayly has given his opinion with regard to the payment of accounts out of the Law Enforcement Fund.

At the joint interview between yourself, Mr. Bayly and myself, I understood that upon Mr. Bayly giving his opinion under the Audit Act that you would be guided by same. I am, therefore, returning the four requisitions which were in question, for payment and expect that the ruling will govern the cases of Mr. McAvoy's and Mr. White's accounts in the Spracklin matter.

Yours faithfully,

A. N. Middleton,
Solicitor, Attorney-General's Department.

Gordon Brown, Esq.,
Provincial Auditor,
Buildings.

Re Agricultural Development Board.

Provincial Auditor's Office,
Toronto, January 5th, 1923.

Dear Mr. White:

Under the provisions of section 23 of the Agricultural Development Act, 11 Geo. V, chap. 32, the Lieutenant-Governor in Council may fix the salaries or other remuneration of the Board.

An Order-in-Council was passed on September 13th, 1921, appointing Mr. W. B. Roadhouse and Mr. T. R. Jennings as members of the Agricultural Development Board *without salary*, and which has since been supplemented by another Order-in-Council, dated 28th December, 1922, directing that each of the above-named Members be paid the sum of $200 as honorarium for services during the past fiscal year 1921-22.

In view of the section under which these appointments were made which states that the Lieutenant-Governor in Council may fix the salaries or other remuneration of the Board, may I ask if in your opinion does the Order-in-Council appointing Mr. Roadhouse and Mr. Jennings as members of the Board *without salary* conflict with the Order-in-Council recently passed directing that $200 be paid to each as an honorarium for services?

Yours truly,

G. A. Brown,
Provincial Auditor.

J. T. White, Esq., K.C.,
Solicitor to the Treasury.

Treasury Department,
Toronto, January 12th, 1923.

Re Agricultural Development Board.

DEAR MR. BROWN:

Section 23 of the Act gives the Lieutenant-Governor in Council power to fix the salary or other remuneration of the Board.

Section 24 provides that such salary shall be payable out of Consolidated Revenue upon the certificate of the Minister of Agriculture.

I should think that an Order of the Lieutenant-Governor in Council, fixing the salary or honorarium coupled with a certificate of the Minister of Agriculture would be sufficient without any further vote by the Legislature, but an Order-in-Council having been passed in September, 1921, appointing the members without salary, I am of opinion and would advise that the recent Order fixing the salary should amend the previous order by striking out the words "without salary".

As the two Orders now stand one conflicts with the other and the latter Order should plainly show that it was the intention of the Council to vary the former Order in this respect.

Yours very truly,

J. T. WHITE,
Solicitor to the Treasury.

G. A. BROWN, ESQ.,
Provincial Auditor,
Buildings.

Provincial Auditor's Office,
Toronto, January 13th, 1923.

DEAR MR. ROADHOUSE:

I beg to return herewith Treasury Voucher No. 6224, being requisition for payment of $200 each to yourself and Mr. Jennings as an honorarium for services during the past fiscal year as members of the Agricultural Development Board, together with copy of an opinion from Mr. J. T. White, Solicitor to the Treasury, which points out very clearly that a new Order-in-Council will be required amending the original one of September, 1921.

Yours truly,

G. A. BROWN,
Provincial Auditor.

W. BERT ROADHOUSE, ESQ.,
Deputy Minister of Agriculture,
Buildings.

Department of Agriculture,
Toronto, January 15th, 1923.

Dear Sir:

According to section 3 of the Agricultural Development Act, 1921, the Lieutenant-Governor in Council shall appoint three persons to constitute the Agricultural Development Board, and according to section 23 the Lieutenant-Governor in Council may fix the salaries, or other remuneration, or other expenses of the Board. Under this authority the Lieutenant-Governor in Council appointed W. B. Roadhouse and T. R. Jennings in September, 1921, as members of the Board without salary. Under date of December 28th, 1922, the Lieutenant-Governor in Council passed an Order authorizing the payment of an honorarium of $200 to each of the above-mentioned members of the Board in recognition of services through the previous fiscal year. A requisition for payment was duly sent forward to the Audit Office chargeable against the appropriation made for this work. I am now in receipt of a letter from the Auditor enclosing copy of letter from the Solicitor to the Treasury. I attach hereto copies of each of these letters. As you will see from this correspondence a request is made for a further Order-in-Council amending the first Order-in-Council by striking out the words "without salary" before payment is made. Our view is that the second Order-in-Council necessarily amends the first Order-in-Council, and, therefore, constitutes sufficient authority for passing these payments.

I beg to make application for your opinion on the point in accordance with section 14 (*a*) of the Audit Act.

Yours very truly,

W. Bert Roadhouse,
Deputy Minister.

Edward Bayly, Esq., K.C.,
Deputy Attorney-General,
Parliament Buildings.

Department of Attorney-General,
Toronto, January 19th, 1923.

Dear Sir:

I have your letter of the 15th instant and enclosure. I am of the opinion that the second Order-in-Council of necessity amends the first Order so far as is required to give it full force and effect. On the facts, therefore, as you state them the second Order without any formal amendment to the first Order is sufficient authority for passing these payments. There is no necessity for the formal repeal or amendment of any order when a subsequent one in effect repeals or amends it.

Yours faithfully,

Edward Bayly,
Deputy Attorney-General.

W. B. Roadhouse, Esq.,
Deputy Minister of Agriculture.

Department of Agriculture,
Toronto, January 22nd, 1923.

DEAR SIR:

Acknowledging your letter of the 13th instant with attached Treasury voucher No. 6224 and copy of letter of Solicitor to the Treasury, I beg to enclose copies of correspondence with the Deputy Attorney-General with reference to this matter. As you will note, he is of the opinion that there is adequate authority for payment of this account, which is returned herewith.

Yours very truly,

W. BERT ROADHOUSE,
Deputy Minister.

G. A. BROWN, ESQ.,
Auditor,
Parliament Buildings.

Re Unemployment Relief, 1920-21.

Provincial Auditor's Office,
Toronto, October 31st, 1922.

DEAR SIR:

I beg to hand you herewith an account from the City Treasurer, Hamilton, for $1,615.95 for salaries and expenses in the Hamilton Employment Office in connection with Unemployment Relief work 1920-21, which has been sent forward from the Department of Labour, and asked to be charged to Vote 97, Item 10, Employment Bureau Contingencies, and upon which I have reported that there is no Legislative authority for the payment of this account.

May I ask you to be good enough to let me have your written opinion pursuant to the provisions of section 14 (1*a*) of the Audit Act.

Kindly let me have your reply at the earliest possible moment, as the Minister is anxious that this account be dealt with in the current fiscal year.

Yours truly,

G. A. BROWN,
Provincial Auditor.

EDWARD BAYLY, ESQ., K.C.,
Deputy Attorney-General.

Department of Attorney-General,
Toronto, November 7th, 1922.

DEAR SIR:

I have your letter of the 31st ultimo enclosing an account from the City Treasurer of the City of Hamilton for $1,615.95, together with letter from the

Honourable the Minister of Labour and Health, which enclosures I now return. You ask whether this account can be charged properly against Vote 97, Item 10, Employment Bureau contingencies, which reads as follows:

Contingencies, including extra help and temporary employees in Bureaus, juvenile employment work and other specialized employment service, office expenses, supplies, equipment, advertising, including advertising of unplaced applicants and unfilled vacancies, printing, distributing reports and bulletins, travelling expenses, administration of justice, publicity, transportation and other expenses of workers while travelling to place of employment, moving expenses of officials transferred from one office to another, conference expenses, etc..... 69,100 00

Accounts of this kind are quite clearly not within the general term contingencies as applied to the Department of Labour, and the items set out in the Vote do not in my opinion cover a repayment of this account, and the word "etc." at the end would only mean "and other items *of the same kind.*" I think, therefore, in spite of the very cognant reasons which the Honourable Mr. Rollo urges for the payment of this account, that it cannot properly be charged to Vote 97, Item 10.

I may add, although you did not ask my opinion on the subject, that I am of the opinion that under some of the general votes such as Unforeseen and Unprovided, that the Government has a right to pay almost any account which would come within the general scope of Provincial Government, and I would be prepared to give an opinion that these accounts could properly be charged to one of these general votes.

Yours faithfully,

E. Bayly,
Deputy Attorney-General.

G. A. Brown, Esq.,
Provincial Auditor.

Provincial Auditor's Office,
Toronto, November 9th, 1922.

Dear Mr. Bayly:

I beg to acknowledge receipt of your letter of the 7th instant in reference to the account of the City of Hamilton giving me your opinion that this account could not properly be charged against Vote 97, Item 10, and for which I thank you.

Yours truly,

G. A. Brown,
Provincial Auditor.

Edward Bayly, Esq., K.C.,
Deputy Attorney-General,
Buildings.

B

TREASURY BOARD OVER-RULINGS

TREASURY BOARD OVER-RULINGS.

Re Payment of Administration of Justice Expenses Accounts.

Provincial Auditor's Office,
Toronto, December 9th, 1922.

DEAR MR. FITCH:

Having regard to the Administration of Justice Accounts which are examined, audited and approved by you, it would appear to be absolutely necessary, when making application to the Provincial Treasury for payment of an account, that the account passed by you should be attached to the requisition.

I frankly admit that the Audit Office has been acting blindly in the past in charging up against certain appropriations, accounts which have been passed by you without any more knowledge than the mere fact of your requisition designating certain specific votes and items to which these accounts should be charged.

It might be well to state that your audit and examination of the accounts will be accepted as final and subject to no further audit, but I think you will agree with me that all requisitions coming from your office should be accompanied by the accounts.

To cite a concrete case, the voucher herewith returned illustrates very aptly the case in point:

Your requisition No. 66 is an application for payment to B. H. Hamilton, M.D., Buildings, *re* post-mortem examination of bodies of Victor Joki and Hannes Neimi, $183.67 to be charged to Vote 19, Item 10, Administration of Justice, District of Algoma.

Unless the Audit Office is supplied with the account there is absolutely no information available that the above account is properly chargeable to the vote and item designated on requisition.

Section 17 of the Audit Act casts a specific duty upon the Auditor that no payment shall be authorized by the Auditor in respect of work performed or materials supplied in connection with any part of the Public Service unless, in addition to any other *voucher* or *certificate* which may be required, the officer under whose special charge such part of the Public Service is certifies, etc., etc.

It will therefore be the duty of the Auditor of Criminal Justice Accounts to submit all vouchers, in addition to his certificate of audit and approval, which is final.

I would respectfully suggest that the matter under discussion be submitted to the Honourable the Treasury Board for a ruling, and may I also suggest that the ruling be made general in respect to all accounts audited, examined and approved by the Auditor of Criminal Justice Accounts, whose audit shall be final, thus eliminating any future controversy in regards to payments being made not supported by vouchers.

In order to avoid any delay in payment of accounts now in your office, I would appreciate your attention to this matter at your earliest convenience.

Enclosed herewith Treasury Voucher No. 3112.

Yours truly,

G. A. BROWN,
Provincial Auditor.

C. A. FITCH, ESQ.,
Auditor, Criminal Justice Accounts,
Buildings.

Audit Office Criminal Justice Accounts,
Toronto, December 12th, 1922.

Re Administration of Justice Accounts.

Dear Mr. Brown:

I beg to acknowledge the receipt of your letter of the 9th instant, and in accordance with your request have brought the matter to the attention of the Deputy Attorney-General.

Permit me to say that the procedure now followed was adopted previous to my appointment and continued by me, believing it to be according to law as provided by 7 Geo. V, chap. 29, section 5, and in accordance with a subsequent ruling of the Treasury Board, dated the 31st May, 1917.

In view of the above and out of consideration for persons at this Christmas season, to whom certain sums are due, may I suggest for your consideration that the present practice be continued until a ruling can be obtained.

Yours faithfully,

C. A. Fitch,
Auditor, Criminal Justice Accounts.

G. A. Brown, Esq.,
Provincial Auditor,
Buildings.

Provincial Auditor's Office,
Toronto, December 12th, 1922.

Dear Mr. Fitch:

In reply to your letter of the 12th instant, in reference to certain accounts returned to your office, I would be glad if you would have them again returned here in view of your request to have them paid before Christmas.

Your suggestion of obtaining a ruling in connection with accounts of this nature is much appreciated.

Yours truly,

G. A. Brown,
Provincial Auditor.

C. A. Fitch, Esq.,
Auditor, Criminal Justice Accounts,
Buildings.

Provincial Auditor's Office,
Toronto, January 8th, 1922.

Dear Sir:

In my letter to you of December 9th last returning several requisitions requesting you to submit the accounts with the requisitions and which were subsequently passed at your request, without the accounts, in order to have cheques issued before Christmas, and that the question of submitting the accounts when requisitions are made on the Provincial Treasury would be dealt with at the first opportunity in the New Year.

I wish to make it very clear that your certificate that the accounts have been audited and examined in accordance with the terms of the Act will be accepted without further audit, but I submit that the Provincial Auditor is responsible for all payments being charged to their proper appropriations, and without the accounts accompanying your requisitions there is absolutely no guidance whatever that the proper vote and item is being charged as designated on your requisition.

The Auditor of Criminal Justice Accounts, etc., is responsible for the audit and examination of the accounts, whose audit shall be final.

The Provincial Auditor is responsible for the proper appropriation being charged, and I again wish to state that without the accounts, appropriations would be charged with expenditures of which the Audit Office has no knowledge as to the correctness of the charge.

I am therefore returning Treasury Vouchers Nos. 3112, 4814, 5141, 5142, 5143, 5454, 5895, as I am unable to pass the requisitions for payment until the accounts are submitted.

Yours truly,

G. A. Brown,
Provincial Auditor.

C. A. Fitch, Esq.,
Auditor, Criminal Justice Accounts,
Buildings.

Provincial Auditor's Office,
Toronto, January 15th, 1923.

Dear Mr. Bayly:

In reference to the correspondence between the Auditor of Criminal Justice Accounts and myself, which I enclose herewith, I may say that, having discussed the matter with Mr. Fitch, he intimated that he had placed the facts before you, and you had requested that I quote the statute whereby the Provincial Auditor is responsible for the proper accounts being charged to the appropriations as provided by the Legislature.

It seems hardly necessary to point out to you the well established principle that all payments must be supported by vouchers. Section 9 of the Audit Act casts the responsibility on the Departments charged with the expenditure of public moneys to audit the details of the accounts in the first instance and be responsible for the correctness of the audit. Section 10 provides that the Provincial Auditor shall test the accuracy of the castings and computations of the items of the vouchers, but if he is satisfied that the accounts bear evidence that the vouchers have been completely checked, audited, and certified, and have been allowed and passed by the proper officers, he may admit them as satisfactory.

In the case of accounts coming under the provisions of certain Acts whereby the Auditor of Criminal Justice Accounts shall audit and examine such accounts, his audit is final and must be accepted as such, but before payment may be made, the accounts upon which he has passed must accompany the requisition in order that the Provincial Auditor may be satisfied that the charges are properly chargeable to the appropriations to which he has so designated on requisition.

Section 17 specifically provides that no payment shall be authorized by the Provincial Auditor unless, in addition to any other voucher or certificate which may be required, the officer under whose special charge such part of the public service is, must certify that thework has been performed or materials supplied, etc.

Section 24 provides that the Provincial Auditor shall keep an appropriation ledger. He must, therefore, be responsible for the charges made against the several appropriations.

To sum up, the whole question concisely is that I am unable to pass any further requisitions for payment in connection with Administration of Justice Accounts as audited and examined by the Auditor of Criminal Justice Accounts and only bearing his certificate to that effect without being supported by the accounts, until such time as the Treasury Board otherwise directs.

May I ask that you deal with this matter at your earliest convenience as a great many requisitions are at present being withheld for payment.

Yours truly,

G. A. Brown,
Provincial Auditor.

Edward Bayly, Esq., K.C.,
Deputy Attorney-General.
Buildings.

Department of Attorney-General,
Toronto, January 17th, 1923.

My Dear Mr. Brown:

I have your letter of the 15th instant, and may say that most if not all the sections you quote deal with auditing by the Provincial Auditor and not with the issue of a cheque after the final audit. If you refuse to issue a cheque I suppose the matter should be submitted to the Treasury Board, but I can see nothing in your letter which in my opinion justifies such a refusal.

Yours faithfully,

E. Bayly,
Deputy Attorney-General.

G. A. Brown, Esq.,
Provincial Auditor,
Buildings.

Department of Attorney-General,
Toronto, January 24th, 1923.

Re Administration of Justice Expenses Accounts.

Dear Sir:

I have been directed by the Honourable the Attorney-General to inform you that, in accordance with your request, this matter will be referred to the Treasury Board for a Ruling under R.S.O. 1914, chap. 22, section 14 (1*c*).

Yours faithfully,

E. Bayly,
Deputy Attorney-General.

G. A. Brown, Esq.,
Provincial Auditor,
Buildings.

Department of Attorney-General,
Toronto, January 24th, 1923.

DEAR SIR:

Re Administration of Justice Expenses Accounts: Pursuant to clause (*c*) sub-section 1 of section 14 of the Audit Act, chap. 23, R.S.O. 1914, I beg to submit to the Treasury Board the matter of the issue of certain cheques amounting to a total of $10 319.47, such cheques being made up of items as stated in the attached list and payment being requested by my Department on the requisitions of the Auditor of Criminal Justice Accounts, approved of by the Deputy Attorney-General, on the dates set opposite each amount, the issue of which is refused by the Provincial Auditor. I enclose, as required by the said section, the correspondence, together with a memorandum setting out the facts.

Yours truly,

W. E. RANEY,
Attorney-General.

The Secretary of the Treasury Board,
Buildings.

Memorandum for the Treasury Board.

Re Administration of Justice Expenses Accounts.

1. The purpose for which the expenditure is required is for the payment of Administration of Justice expenses.

2. The appropriations to which said expenditures are chargeable are as stated below:—

Name	Amount	Where Chargeable
J. J. A. Weir	$4 00	Sundry, Civil and Criminal Justice. To provide for salaries, travelling expenses, etc. Police Magistrates.
Cunningham & Smith	26 80	General Administration of Justice, Counties.
Dr. Wm. Magner	20 00	" " " "
The United Typewriter Co.	125 55	Administration of Justice, Dist. of Temiskaming.
Judge Ward	68 90	Revision Voters' Lists.
Judge Chapple	71 58	" " "
R. G. Reynolds	10 00	General Administration of Justice, Counties.
G. James	4 00	" " " "
E. S. Smith	8 00	" " " "
H. O'Loughlin	11 50	" " " "
W. P. Kennedy	4 00	" " " "
Grand & Toy	24 00	Consolidated Rev. Fund Probation Act, 12-13, Geo. V, chap. 103, sec. 6.
The United Typewriter Co.	137 70	Statutory 12-13, Geo. V, chap. 103, sec. 6, Probation Act.
Treas. Dist. Thunder Bay	372 00	Administration of Justice, Dist. Thunder Bay, Salaries of Gaolers, etc.
Judge O'Reilly	47 18	Revision Voters' Lists.
Judge Spotton	68 19	" " "
Treas. Dist. Sudbury	1,514 68	Salary of Engineer, Sudbury. Salaries Gaoler, etc., Sudbury.
Treas. Dist. Algoma	536 61	Administration of Justice, Algoma; Engineer, Government Bldgs.; Caretaker, Court House; Salaries, Gaoler, etc.
Treas. Dist. Thunder Bay	214 05	Fuel, Light, Water, Thunder Bay; Administration of Justice.
Treas. Dist. Parry Sound	477 67	Administration of Justice, Parry Sound; Caretaker, Govt. Bldgs.; Fuel, Light, Water.

Name	Amount	Where Chargeable
H. O'Loughlin	5 00	General Administration of Justice, Counties.
W. P. Kennedy	2 00	" " " "
J. McCammon	6 50	" " " "
R. G. Reynolds	5 00	" " " "
G. James	2 00	" " " "
Judge Stone	11 85	Revision Voters' Lists.
N. Henderson	8 50	General Administration of Justice, Counties.
W. H. Elliott	10 00	" " " "
J. Hopkins	8 00	" " " "
W. McGhee	34 00	" " " "
C. N. Anderson	6 50	" " " "
D. J. Barker	5 00	" " " "
F. Neal	2 00	" " " "
T. Dempsey	1 50	" " " "
E. Croft	1 50	" " " "
S. Welbanks	1 50	" " " "
D. Hoover	2 00	" " " "
A. McCowan	142 50	" " " "
G. H. Powell	34 00	" " " "
Treas. County Bruce	847 65	" " " "
Treas. Dist. Parry Sound	1,496 21	Administration of Justice, Parry Sound; Fuel, Light, Water.
H. Pratt	12 00	General Administration of Justice, Counties.
P. McDonald	20 00	" " " "
D. H. MacLaren	35 00	" " " "
E. S. Lally	14 00	" " " "
W. F. Langworthy	25 00	Office rent, Dist. Thunder Bay.
D. M. Brodie	15 00	Travelling Expenses, etc., Police Magistrate.
H. P. Moore	9 20	" " " "
G. A. Jordan	20 75	" " " "
R. R. Casement	4 20	" " " "
A. D. Creasor	11 90	" " " "
C. F. Maxwell	12 45	" " " "
C. Jeffs	5 40	" " " "
A. E. McNab	18 05	" " " "
J. E. Depew	10 32	" " " "
J. C. Massie	139 80	" " " "
W. W. O'Brien	27 20	" " " "
T. Stoddart	6 60	" " " "
Dr. W. M. English	32 40	General Administration of Justice, Counties.
Judge Powell	15 05	Revision Voters' Lists.
Judge Widdifield	47 08	" " "
Treas. Dist. Kenora	1,895 34	Administration of Justice, Kenora; Fuel, Light, Water, etc.
R. G. Reynolds	10 00	General Administration of Justice, Counties.
G. James	4 00	" " " "
E. W. Hardey	40 00	" " " "
J. Smith	40 00	" " " "
W. J. Smith	12 00	" " " "
H. D. Robins	16 00	" " " "
Treas. Dist. Sudbury	1,326 71	Administration of Justice, Dist. Sudbury; Fuel, Light, Water, etc.
Angus & Stonehouse	29 40	General Administration of Justice, Counties.
J. M. Simpson	85 00	" " " "

3. The objection taken by the Provincial Auditor is that the Auditor of Criminal Justice Accounts has not forwarded to the Provincial Auditor the accounts along with his requisitions for payment.

The answer to the Provincial Auditor's objections is sub-section 2 of section 43 of the Administration of Justice Expenses Act, as enacted by section 5, sub-section 2 of chap. 29, 7 Geo. V, as follows:

> (2) Subject to the provisions of Part 3, all accounts of, or relating to such expenses, shall be examined, audited and approved under such regulations as the Lieutenant-Governor may prescribe by the Auditor of Criminal Justice Accounts, and the accounts shall not be subject to further examination or audit, anything in the Audit Act to the contrary notwithstanding.

Under this section it is clear that the Provincial Auditor has no right to examine or audit these accounts. The practice has been for the Auditor of Criminal Justice Accounts to requisition the payment of the amount of the account, certifying that he has audited the same as provided in the above sub-section and stating to what appropriation the same shall be charged.

It is submitted that upon receipt of such requisitions approved by the Attorney-General or the Deputy Attorney-General, a cheque should at once be issued and should be countersigned by the Provincial Auditor; and that the Provincial Auditor has no right to question the amount or the appropriation out of which it is stated it should be paid, as this is clearly a part of the auditing of the account.

Copy of a Minute of the Treasury Board, dated the 29th day of January, A.D. 1923.

A difference having arisen between the Provincial Auditor and the Department of the Attorney-General, as to the issue of certain cheques amounting to a total of $10,319.47, for the payment of services and expenses in connection with the Administration of Justice, on the requisition of the Auditor of Criminal Justice Accounts, approved of by the Deputy Attorney-General, and the matter having been referred by the Department for the determination of the Treasury Board, under the provisions of clause (*c*), sub-section 1 of section 14 of the Act, chap. 23, R.S.O. 1914.

Upon consideration of the correspondence submitted, the objections of the Provincial Auditor, and the answer of the Attorney-General thereto, the Board is of the opinion that, having in view sub-section 20 of section 43 of the Administration of Justice Expenses Act, as enacted by section 5 of chap. 29, 7 Geo. V, the Provincial Auditor has no jurisdiction to examine or audit the accounts in question, or to demand such accounts to be produced to him; that the duty of examining and auditing Administration of Justice accounts has been cast upon the Auditor of Criminal Justice Accounts, and that upon the receipt of a requisition for payment of these accounts, accompanied by a certificate of the Auditor of Criminal Justice Accounts that he has audited the accounts as provided by said section, cheques should be issued for said amount as requisitioned and certified to, and should be countersigned by the Provincial Auditor, and the Board doth direct that cheques shall forthwith issue for the accounts in question.

Certified,

C. F. BULMER,
Clerk, Executive Council.

Re Award to Mrs. R. Jenner.

Provincial Auditor's Office,
Toronto, March 21st, 1923.

MR. J. F. MOWAT,
Chief Financial Officer,
25 Queen's Park.

DEAR SIR:

Re Treasury Voucher No. 13487.

I am instructed by the Auditor to say that this compensation would appear to be a matter to be dealt with by the Workmen's Compensation Board.

Yours truly,

T. R. JENNINGS,
Assistant Provincial Auditor.

Provincial Auditor's Office,
Toronto, April 3rd, 1923.

DEAR SIR:

Re Compensation to Mrs. R. Jenner.

I am obliged to again return Treasury Voucher No. 13487, being an application for payment of $291 to Mrs. R. Jenner as compensation for injuries received when struck by departmental motorcycle.

May I be permitted to point out that a payment of this nature would not appear to be a proper charge against the Law Enforcement Fund, therefore the certificate of the Deputy Attorney-General that the sum of $291 is required to be paid under the provisions of section 6 of an Act to amend the Constables Act, 1922, is not applicable.

To make a payment for compensation must of necessity be based on an award by the Workmen's Compensation Board, although the Board is not compelled to deal with cases where a Government employee is concerned, they have by an arrangement with the Government passed on all claims of this nature and settled what the award would be.

Further, when the Board makes an award in a case as above stated, legislative provision is necessary to make the payment; I am therefore unable to sanction the issue of a cheque to Mrs. Jenner for the following reasons:

(*a*) Award would not appear to be a proper charge against Law Enforcement Fund.

(*b*) A legislative vote required out of which this payment could be made; the same as other departments have provided votes to meet just such cases as above mentioned.

Yours truly,

G. A. BROWN,
Provincial Auditor.

J. F. MOWAT, Esq.,
Chief Financial Officer,
Law Enforcement Office,
25 Queen's Park, Toronto.

Department of Attorney-General,
Toronto, 5th April, 1923.

Re Compensation to Mrs. Jenner.

DEAR SIR:

I have your letter of the 3rd instant, which I covered fairly well in my conversation with you by telephone. I do not think it was ever contemplated that the Workmen's Compensation Board should deal with a case of this kind which is not covered by their Act. I shall be glad therefore if you will put the matter through and if a case occurs again we can if necessary thrash our differences out then. This case is a bad case to begin on, as this unfortunate woman was really hurt and has been without compensation for a long time.

Yours faithfully,
E. BAYLY,
Deputy Attorney-General.

G. A. BROWN, Esq.,
Provincial Auditor.

Provincial Auditor's Office,
Toronto, April 9th, 1923.

DEAR SIR:

In reply to your letter of the 5th inst. *re* compensation to Mrs. Jenner, I beg to state that legislative provision will be necessary authorizing the issue of a cheque by the Provincial Treasurer.

I quite agree with you that it was never contemplated that the Workmen's Compensation Board should deal with a case of this kind, as it was a matter wholly between the motorcycle officer and Mrs. Jenner.

It was considered, however, that the Board, with its knowledge of accidents, would be the proper ones to fix compensation, just in the same manner as the Attorney-General's Department is the proper department to tax a legal bill.

The fact still remains that had the Board fixed the compensation, proper legislative authority would be necessary for the issue of the cheque.

In order that the cheque may issue without delay would you be good enough to drop me a line to the effect that a special vote will be placed in the Further Supplementary Estimates.

Yours truly,
G. A. BROWN,
Provincial Auditor.

HON. W. E. RANEY,
Attorney-General.

Department of Attorney-General,
Toronto, April 11th, 1923.

Re Compensation to Mrs. Jenner.

DEAR SIR:

I am in receipt of your letter of the 9th inst., in above matter. I am unable, however, to agree with your conclusion.

Yours faithfully,
E. BAYLY,
Deputy Attorney-General.

GORDON A. BROWN, ESQ.,
Provincial Auditor,
Build'ngs.

Department of Attorney-General,
Toronto, April 19th, 1923.

Re Compensation to Mrs. Rose Jenner.

DEAR MR. BROWN:

With reference to your letters of the 3rd and 9th April, 1923, in which you refuse to issue the cheque to Mrs. Rose Jenner for $291, I beg to say that I am directed by the Honourable the Attorney-General to inform you that this matter will be referred to the Treasury Board for a ruling under clause (*c*) of subsection 1 of section 14 of The Audit Act, chap. 23, R.S.O. 1914. I enclose you a copy of the memorandum being submitted to the Treasury Board under the provisions of the said clause (*c*).

Yours truly,

A. N. MIDDLETON,
Solicitor, Attorney-Genera 's Department.

G. A. BROWN, Esq.,
Provincial Auditor,
Buildings.

Department of Attorney-General.

Memorandum for the Treasury Board.

Re Compensation to Mrs. Rose Jenner.

On the night of November 20th, 1922, Mrs. Rose Jenner, of 557 King Street West, Toronto, received certain injuries in an accident which occurred in which Special Officer Hawkes collided with her when riding his motorcycle. A claim was made against the Department for the injuries received in this collision and such claim has been settled at $291.00.

1. The purpose for which the expenditure is required is for the payment to Mrs. Rose Jenner of the amount at which her claim has been settled.

2. The appropriation to which the expenditure is chargeable is Vote 18, Item 29, "Law Enforcement Fund."

3. The objections taken by the Auditor appear to be that a claim of this sort should be sent to the Workmen's Compensation Board and the amount thereof settled by them; and, further, that the amount is not a proper charge against the Law Enforcement Fund.

4. The answers to such objections are: That it is perfectly clear the Workmen's Compensation Board have no jurisdiction over a claim of this kind, and, under the provisions of subsections 4 (*a*) and 4 (*b*) of section 17 of The Constables Act, it is provided that payments out of the Law Enforcement Fund are to be made under the direction of the Attorney-General and that the certificate or order of the Attorney-General that any sum of money is required out of such fund shall be sufficient authority for the issue of a cheque by the Treasurer of Ontario, and that in view of such provision the Provincial Auditor has no authority to question the payment of any amount that has been certified to by the Attorney-General or the Deputy Attorney-General, who has full power under the statute to act for the Attorney-General in matters of this sort.

April 18th, 1923.

Copy of a Minute of the Treasury Board, dated the 30th day of April, A.D. 1923

A difference having arisen between the Provincial Auditor and the Department of the Attorney-General, as to the issue of a certain cheque amounting to $291 to Mrs. Rose Jenner, in settlement of a claim for damages for which a requisition was made by the Attorney-General's Department on March 19th, 1923, and the matter having been referred by the said Department for the determination of the Treasury Board, under the provisions of clause (*c*), subsection 1 of section 14 of the Act, chap. 23, R.S.O. 1914.

Upon consideration of the correspondence and the facts as set out in the memorandum submitted by the Attorney-General, the Board directs that a cheque shall forthwith issue for the amount in question.

Certified,

C. F. Bulmer,
Clerk, Treasury Board.

Re Travelling Expenses Allowed to Members of the Legislature Acting on Legislative Committees.

Provincial Auditor's Office,
Toronto, July 24th, 1922.

A. N. Middleton, Esq.,
Solicitor, Attorney-General's Department.

Dear Sir:

Having reference to section 4, chap. 25, 9 George V, where it is stated that members of the Legislature sitting on committees during recess are to be paid an allowance of $15 per diem. Does this mean to include indemnity, living allowance and expenses, or may the travelling expenses of such member be paid in addition?

As advances are being asked for to cover travelling expenses of the committee investigating the Hotel Accommodation of the Province and Tourist Traffic, would you be good enough to let me have your ruling on this matter?

Yours truly,

T. R. Jennings,
Assistant Provincial Auditor.

Department of Attorney-General,
Toronto, July 24th, 1922.

Dear Sir:

I beg to acknowledge the receipt of yours of this morning with regard to the meaning of subsection 1 of section 74 of The Legislative Assembly Act, as enacted by section 4 of chapter 25 of the Ontario Statutes for 1919.

I may say that this section was drafted by myself and I am well aware as to what it is intended to cover.

When this section was drawn objection had been taken by members of different committees sitting during the interval between two sessions of the Assembly, that they had no allowance to cover their living expenses. In fixing

the amount of $15.00 per diem, it was the intention to place these members in the same position with regard to their living expenses as the sessional allowance placed them during the session. The question of a committee travelling, such as the committee in question, was not considered at the time this section was passed, as the committees that were being considered at that time met at Toronto.

It does not appear to me that the travelling expenses of this committee in investigating the Hotel Accommodation of the Province and Tourist Traffic can be considered the travelling expenses of each member. These are expenses of the committee as a whole and I think should be disbursed by the secretary of the committee and really have no relation to the $15 per diem allowance. In other words, that the necessary expenses of the committee in travelling to make their investigations should not be deducted from the per diem allowance of each member.

I am, however, of the opinion that each member should provide for his living expenses out of his $15 per diem allowance, and if the hotel and other living expenses are forwarded by the Secretary of the Committee these should be deducted from the $15 per diem allowance when the same is paid to each member.

Yours truly,

A. N. MIDDLETON,
Solicitor and Acting Deputy Attorney-General,
Attorney-General's Department.

T. R. JENNINGS, Esq.,
Assistant Provincial Auditor,
Buildings.

Toronto, May 3rd, 1923.

Memorandum for Hon. Mr. Smith.

Having regard to the requisition for payment of balances due the members of the Hotel Investigation Committee, amounting in all to $4,017.50, I may say that the amount shown as due the members was held back by arrangement with Mr. Middleton and Mr. Watson in order to cover their travelling expenses paid by the secretary.

The chairman had advances amounting to $10,038.65, all of which has been accounted for as shown in the attached statement.

All expenditures incurred by the committee have been paid by the secretary and vouchers submitted to the Audit Office. The accounts submitted might be divided under three heads:—

(a) Accounts passed	$5,939 41	
(b) Further accounts passed, but under 9 Geo. V, chap. 25, sec. 4, members of the committee would appear to be liable	3,435 49	
(c) Accounts disallowed	663 75	
		$10,038 65

I am therefore returning Treasury voucher No. 17827 for $4,017.50, as I am unable to certify that cheques may issue in view of the provisions of 9 Geo. V, chap. 25, sec. 4, and also a copy of Mr. Middleton's opinion as to the interpretation of the meaning of the Act.

G. A. BROWN,
Provincial Auditor.

Department of Attorney-General,
Toronto, May 12th, 1923.

Re Per Diem Allowance to Hotel Investigation Committee.

DEAR MR. BROWN:

Your memorandum of the 3rd of May in this matter, addressed to the Hon. Mr. Smith, has been handed to me by the King's Printer's Department. I am instructed by the Attorney-General to advise you that the question at dispute in this matter will be referred to the Treasury Board for a ruling under clause (*c*) of subsection (1) of section 14 of The Audit Act, chap. 23, R.S.O. 1914. I enclose you copy of the memorandum being submitted to the Treasury Board under the provisions of the said clause (*c*).

Yours truly,

A. N. MIDDLETON,
Solicitor, Attorney-General's Department.

G. A. BROWN, Esq.,
Provincial Auditor,
Buildings.

Memorandum for the Treasury Board.

Re Per Diem Allowance to Members of the Hotel Investigation Committee.

At the session of the Legislative Assembly for the year 1922, a committee was appointed known as the Hotel Investigation Committee, to sit during the interval between the sessions of the Assembly.

Subsection (1) of section 74 of The Legislative Assembly Act is as follows:

> 74.—(1) Where a committee of the Assembly is authorized to meet during the interval between two sessions of the Assembly, there shall be payable to every member of the committee the sum of $15 per diem for every day upon which he is absent from his home in going to, attending at, and returning from meetings of the committee, the said allowance to be payable upon the certificate of the chairman of the committee out of such moneys as may be appropriated for miscellaneous expenses of legislation.

During the meetings of the Hotel Investigation Committee it was deemed necessary that the said committee should visit the different portions of the province in order to obtain information necessary to their inquiry.

The question has arisen as to whether the members of this committee are entitled to an allowance of $15 per diem for their own use or whether this allowance should cover their hotel and living expenses while travelling on this investigation.

1. The purpose for which the expenditure is required is for the payment to each of the members of the Hotel Investigation Committee the balance due them of their per diem allowance certified by the chairman of the committee as provided in subsection (1) of section 74 above set out in full.

2. The appropriation to which the expenditure is chargeable is Vote 16, Item 10, "Contingencies, including stationery and equipment for reporters." (Legislation.)

3. The Provincial Auditor has taken the objection that the per diem allowance payable to members of this committee covers their hotel and living expenses while travelling upon their investigations and has objected to the allowance of the accounts for hotel and living expenses of the different members of the commission while travelling on the investigation, paid by the secretary of the Commission out of the accountable warrant of $10,000 given to the chairman of such committee, the Auditor having refused accounts amounting to $3,435.49 submitted by the secretary as vouchers on account of the $10,000 accountable warrant for this reason. The Auditor has retained 50 per cent. of the amount coming to the different members of the committee upon the certificate of the chairman in order to cover the hotel and living expenses paid by the secretary, which the Auditor claims should have been paid by the individual members of the committee.

4. The provision for payment of the per diem allowance to members of committees such as in question is contained in section 74 of The Legislative Assembly Act, sub-section (1) of which is copied in full above.

The chairman and the different members of this committee were, upon entering their duties, authoritatively advised that they would be entitled to the allowance of $15 per diem to their own use and that their expenses would be paid by the Government in addition to the allowance. In view of this it is submitted that faith should be kept with the different members of the committee and that the $15 per diem allowance should be paid to them for their own use and that their travelling and hotel and living expenses while making investigations outside of Toronto should be paid by the Government as a disbursement of the committee as a whole and allowed as vouchers to the chairman of the committee in accounting for his accountable warrant for $10.000.

Toronto, May 12th, 1923.

Copy of a Minute of the Treasury Board, dated the 18th day of May, A.D. 1923.

A difference having arisen between the Provincial Auditor and the Department of the Attorney-General as to the issue of certain cheques to the different members of the Hotel Investigation Committee, totalling $3,807.50, said cheques being in payment of the balance of the per diem allowance of $15 for attendance on said committee for which requisition was made by the Legislative Accountant on the 26th April, 1923, and the matter having been referred by the Attorney-General for the determination of the Treasury Board under the provisions of clause (*c*), subsection (1) of section 14 of The Audit Act, chap. 23, R.S.O. 1914.

Upon consideration of the correspondence and the facts as set out in the memorandum submitted by the Attorney-General, the Board is of opinion that the $15 per diem allowance provided by section 74 of The Legislative Assembly Act should be paid to each of the members for their own use and that the travelling, living and hotel expenses of the different members while the said committee was making their investigations should be paid by the Government, and directs that cheques shall forthwith issue to the different members of the

Hotel Investigation Committee for the balance of the amounts due them for the per diem allowance as certified by the chairman of the Board, and that the travelling, living and hotel expenses of the different members, while making investigations outside of Toronto, as aforesaid, shall be paid by the Government and allowed as proper vouchers upon the accounting of the chairman of the said committee for the accountable warrant of $10,000 advanced to him.

Certified,

C. F. BULMER,
Clerk, Treasury Board.

C

SPECIAL WARRANTS

SPECIAL WARRANTS

STATEMENT OF SPECIAL WARRANTS ISSUED DURING THE FISCAL YEAR ENDED OCTOBER 31ST, 1923.

Date of Warrant.	SERVICE.		Warrants.	Expended 1922-23	Unexpended.
	Prime Minister's Department.				
	Sundry Investigations—				
	Balance unexpended, 1921-22	3,229 26			
Nov. 17th, 1922	Warrant	50,000 00			
Jan. 22nd, 1923	"	110,000 00			
May 22nd, 1923	"	50,000 00			
June 26th, 1923	"	25,000 00			
July 12th, 1923	"	8,500 00			
Aug. 7th, 1923	"	15,000 00			
Sept. 11th, 1923	"	45,000 00			
Oct. 26th, 1923	"	25,000 00	331,729 26	325,124 65	6,604 61
May 10th, 1923	University of Toronto, for Manufacture of Insulin		25,000 00	25,000 00	
Aug. 10th, 1923	Temiskaming and Northern Ontario Railway Commission		300,000 00	300,000 00	
	Hydro-Electric Power Commission—				
Aug. 14th, 1923	Royal Commission investigating Hydro-Radial Railways		375,211 90	375,211 90	
Sept. 4th, 1923	Commission re Radial Railway By-laws		12,905 14	12,905 14	
Oct. 25th, 1923	Investigations, Surveys, etc., re proposed Radial Railway during the year 1921		2,115 10	2,115 10	
Oct. 31st, 1923	Rural Primary Transmission Lines		425,000 00	425,000 00	
	Construction—				
Oct. 29th, 1923	Niagara System, Miscellaneous Distributing Stations		60,000 00	60,000 00	
Oct. 29th, 1923	Wasdell System, Rural		5,000 00	5,000 00	
Oct. 29th, 1923	Underwaters Powers Regulations Act		1,000 00	1,000 00	
Oct. 29th, 1923	Ranney Development, Hydraulic		5,000 00	5,000 00	
Sept. 12th, 1923	Canadian National Institute for the Blind, Grant		65,000 00	65,000 00	
	Education Department.				
Nov. 7th, 1922	Rebuilding Schools in New Ontario destroyed by fire		60,000 00	59,551 73	448 27

Dec. 12th, 1922	Expenses re meeting of the Ministers and Deputy Ministers of Education, of the Dominion of Canada		550 00	538 53	11 47
May 10th, 1923	Royal Ontario Museum, Expenses		25,000 00	25,000 00	
Dec. 21st, 1922	Redemption of Debentures guaranteed by the Province, as they become due, when the Boards of Trustees cannot punctually meet their obligations		2,000 00	1,445 86	554 14
May 10th, 1923	National Council of Education, Expenses		700 00	598 32	101 68
May 10th, 1923	Framing and distributing pictures to the Schools of the Province	3,000 00			
Oct. 18th, 1923	" " " " "	1,000 00	4,000 00	3,580 50	419 50
May 10th, 1923	Purchase and distribution of books for the Schools of the Province		13,000 00	12,997 60	2 40
June 26th, 1923	Frontier College, grant for expenses, etc., in connection with the enlargement and development of the work		10,000 00	10,000 00	
	Lands and Forests Department.				
Nov. 9th, 1921	Clearing and improving such lands in O'Brien Township for the Kapuskasing Townsite and to purchase any other land for inclusion within townsite. Balance unexpended, 1921-22		9,590 89	7,401 82	2,189 07
Oct. 31st, 1923	Part Compensation for lands, etc., to the Chippewa and Mississauga Indian Tribes		400,000 00	400,000 00	
June 5th, 1923	Legal Fees and Expenses		5,000 00	3,600 00	1,400 00
June 5th, 1923	Burlington Beach Commission, public lavatories		7,000 00	7,000 00	
	Mines Department.				
June 11th, 1923	Reception, etc., of American Institute of Mining and Metallurgical Engineers		1,000 00	615 93	394 07
Oct. 31st, 1923	Imperial Film Co., for Motion Picture work		2,193 45	2,193 45	

SPECIAL WARRANTS.—Continued

Date of Warrant.	SERVICE.		Warrants.	Expended 1921-22.	Unexpended.
	Public Works Department.				
Nov. 21st, 1922	Registry, Land Titles Office and Court House, Haileybury		15,000 00	14,993 74	6 26
May 10th, 1923	Purchase of property in Queen's Park		210,000 00	210,000 00	
Nov. 21st, 1922	Accommodation for Government Officials, District of Cochrane		1,600 00	1,566 00	34 00
Oct. 25th, 1923	Erection of Storage Dams on the head waters of the North Branch of the Muskoka River		2,000 00	1,827 21	172 79
July 24th, 1923	Stanley Bridge, rebuilding of supporting piers, etc		12,000 00	4,317 18	7,682 82
May 22nd, 1923	Brough's Creek Bridge, construction	1,800 00			
July 4th, 1923	" " " "	71 27			
Oct. 25th, 1923	" " " "	125 00	1,996 27	1,902 32	93 95
Oct. 12th, 1923	Rebuilding Oliver Township Bridges, destroyed by flood		6,000 00	1,900 35	4,099 65
	Labour and Health Department.				
May 18th, 1923	Distribution of unemployment relief during the winter of 1921, by the City of Hamilton		1,615 95	1,615 95	
	Provincial Treasurer's Department.				
May 3rd, 1918	To indemnify Banks for money advanced for seed grain—Balance unexpended, 1921-22		3,885 07	5 59	3,879 48
Oct. 19th, 1923	Soldiers' Comforts, Women's Patriotic League		3,000 00	3,000 00	
	Provincial Secretary's Department.				
Oct. 12th, 1922	Purchase of bituminous coal for resale to the Municipalities of the Province. Balance unexpended, 1921-22		54,453 80	47,034 51	7,419 29

Oct. 8th, 1923	Orillia, Water, Light and Power Commission, installing lights on highway in connection with Ontario Hospital, Orillia		1,000 00	1,000 00	
Dec. 20th, 1922	General Hospital, Hearst, Grant		3,000 00	3,000 00	
Oct. 12th, 1923	The Haven, Toronto, Grant		500 00	500 00	
Dec. 8th, 1922	Repairs and alterations to existing Prison Camp, at the Ontario Brick and Tile Plant		15,000 00	15,000 00	
	Repairs and alterations to existing Prison Camp, at the Ontario Brick and Tile Plant			5,133 03	
Aug. 21st, 1923	Ontario Municipal Association, Grant		500 00	500 00	
	Agriculture Department.				
Feb. 22nd, 1919	Purchase and operation of stone crusher, in order to demonstrate the value of lime in application to certain soils. Balance unexpended, 1921-22		3,956 21	121 70	3,834 51
May 18th, 1923	Advertising in Agricultural and other papers		8,000 00	6,285 16	1,714 84
Oct. 23rd, 1923	Investigation of Export Markets for Ontario Honey		1,000 00	905 00	95 00
May 22nd, 1923	New Liskeard Government Creamery, expenses in connection with administration	6,000 00			
Oct. 4th, 1923	" " " " "	2,000 00	8,000 00	7,987 26	12 74
	Total Special Warrants		2,500,503 04	2,464,475 53	41,160 54

D

TREASURY BOARD MINUTES

D

TREASURY BOARD MINUTES.

STATEMENT OF TREASURY BOARD MINUTES, ISSUED FOR EXPENDITURES IN EXCESS OF APPROPRIATIONS DURING THE FISCAL YEAR ENDED OCTOBER 31ST, 1923.

Prime Minister's Department.

	Warrant.	Expended.
Civil Government—		
Prime Minister's Office, contingencies	2,500 00	2,484 61
Temiskaming and Northern Ontario Railway Commission—		
Steam Locomotives	248,216 17	230,400 00

Legislation.

Sessional Writers, Messengers, etc	20,000 00	19,216 83
Stationery, Distributing Statutes, etc	65,000 00	53,838 20
Contingencies, etc	27,000 00	26,476 61
Legislative Committee, for Art Purposes	1,000 00	559 75
Cost of House Post Office	1,000 00	81 41
Library: Books, contingencies, etc	1,800 00	1,694 61
Archives: Contingencies	500 00	499 95
Law Office Salaries	300 00	300 00

Attorney-General's Department.

Civil Government—		
Attorney General's Office, contingencies	400 00	394 72
Insurance Department, "	2,000 00	1,085 08
Printing Annual Report, 1921	1,336 67	1,336 67
Railway and Municipal Board, contingencies	2,000 00	320 56
Inspection of Legal and Registry Offices, contingencies	1,200 00	1,079 13
Inspection of Division Courts, salaries	950 00	950 00
Administration of Justice—		
Supreme Court of Ontario, Osgoode Hall, contingencies	1,000 00	967 81
Sundry Civil and Criminal Justice, Crown Attorney, Toronto and York, salaries	640 00	190 00
Land Titles Office, salaries	1,800 00	742 71
Contingencies	1,000 00	855 33
Board of License Commissioners, contingencies	1,000 00	594 18
Advertising, Tourist Attractions	5,000 00	4,430 12
Deputy Clerks of the Crown, etc	600 00	529 96
Judicial Officers, etc., Typewriters, etc	1,000 00	975 37
Districts—		
Kenora, Administration of Justice	3,000 00	2,932 17
Fuel, light, etc	500 00	430 42
Nipissing, Salaries of Gaolers, etc	1,300 00	1,253 34
Fuel, light, etc	500 00	432 07
Sudbury, Salaries of Gaolers, etc	1,000 00	791 25
Fuel, light, etc	550 00	532 55
Temiskaming, Magistrate Haileybury, travelling expenses	300 00	279 14
Miscellaneous Services—		
Litigation of Constitutional and other questions	10,000 00	2,781 70
Refunds—		
Miscellaneous	16 92	16 92
R.S.O. 1914, Chap. 126, Sec. 148	90,591 15	90,591 15

Education Department.

Education—		
Public and Separate School Education—		
Rural Public and Separate Schools, Counties, general grants and contingencies	142,000 00	26,937 96
Rural Public and Separate Schools, Districts, general grants and contingencies	141,000 00	138,924 79
Assisted Public and Separate Schools, grants and contingencies	52,000 00	34,279 07
Cadet Corps, grants and contingencies	13,700 00	13,305 83
Kindergarten Schools, " "	10,000 00	5,875 28
Night Schools, " "	4,000 00	3,986 24
Consolidated Schools " "	1,000 00	189 26

TREASURY BOARD MINUTES.—Continued

Education Department.—Continued

	Warrant.	Expended.
Education—Continued		
Fifth Classes, grants and contingencies	23,000 00	19,304 00
Teachers' Association, " "	4,000 00	1,995 44
Special Lecturer	150 00	150 00
Auxiliary Classes, grants and contingencies	11,000 00	9,920 26
Departmental Examinations, contingencies, etc	2,500 00	1,741 66
Preparation of Text Books, salaries	100 00	33 31
Director of Professional Training Schools	200 00	200 00
Special grants to Art Department and Teachers in Art, and contingencies	3,055 00	2,880 00
Grants to School Boards, etc., re Music Courses	4,550 00	4,379 97
Academic Courses, Returned Soldiers	3,000 00	1,319 30
Normal and Model Schools—		
Toronto, Extra Services and Additional Teachers	1,000 00	224 00
Reference Books, contingencies, etc	4,000 00	3,959 61
Text and Blank Books, etc	1,100 00	800 89
Domestic Science and Manual Training Supplies	1,300 00	1,037 14
Furniture and Furnishings	300 00	6 00
Ottawa, Reference Books, contingencies, etc	1,700 00	1,371 35
Domestic Science and Manual Training Supplies	500 00	228 54
Text Books, etc	200 00	7 63
Kindergarten Supplies	150 00	86 30
Fuel, light, etc	1,000 00	619 48
London Normal, salaries	1,250 00	1,089 50
Reference Books, contingencies, etc	1,000 00	695 50
Fuel, light, etc	2,000 00	1,373 43
Expenses of grounds, trees, etc	250 00	178 53
Hamilton Normal, salaries	850 00	750 00
Reference Books, contingencies, etc	800 00	619 36
Physical Culture, Apparatus, etc	100 00	66 16
Fuel, light, etc	200 00	174 30
Peterborough Normal, salaries	1,250 00	1,250 00
Reference Books, contingencies, etc	600 00	347 75
Fuel, light, etc	1,000 00	280 53
Stratford Normal, salaries	750 00	750 00
Reference Books, contingencies, etc	800 00	612 13
North Bay, Normal, salaries	1,150 00	417 14
Students' Board and travelling expenses	5,000 00	4,146 20
Fuel, light and power	600 00	440 54
Furniture, repairs, etc	1,000 00	750 22
English-French Training Schools—		
Ottawa: Reference Books, contingencies, etc	200 00	81 97
Sturgeon Falls, salaries	158 33	158 33
Reference Books, contingencies etc	900 00	554 44
Vankleek Hill, salaries	150 00	150 00
Sandwich, salaries	166 67	166 67
High Schools and Collegiate Institutes—		
Grants	45,000 00	37,564 01
Night High Schools, grants	3,500 00	1,090 79
High School Cadet Corps, grants	2,500 00	1,800 00
Salaries (Inspectors)	400 00	400 00
Stationery, contingencies, etc	150 00	41 51
Technical Education—		
Manual Training and Household Science Departments, grants, etc	500 00	187 40
Monteith, Northern Academy, Farm	300 00	268 85
Miscellaneous—		
Proportion of Cost of Minister's Report	500 00	220 92
High and Public School Registers	3,000 00	2,563 23
Advertising	500 00	385 05

Lands and Forests Department.

Civil Government—		
Contingencies	5,500 00	4,502 15

TREASURY BOARD MINUTES.—Continued

Lands and Forests Department.—Continued

	Warrant.	Expended.
Crown Lands—		
Agents' salaries and disbursements	1,300 00	963 63
Forest Reserves	2,000 00	1,470 28
Fire Ranging	282,200 00	282,202 22
Surveys	20,000 00	13,277 80
Reforestation	2,500 00	47 12
Insurance	300 00	285 57
Clearing Townsites and removing fire hazards	75,000 00	24,896 73
Compensation for Workmen	700 00	472 09
Algonquin Park	2,500 00	1,747 67
Colonization Roads—		
Construction and maintenance	30,000 00	24,236 72
Inspection of roads and bridges	10,000 00	6,912 83

Mines Department.

Civil Government—		
Contingencies	5,000 00	2,911 53
Miscellaneous—		
Mining Recorders, salaries and expenses	4,000 00	3,616 58
Gas and Oil Well Inspectors	3,500 00	3,077 95

Game and Fisheries Department.
(Under Minister of Mines.)

Civil Government—		
Contingencies	5,000 00	4,313 22
Miscellaneous—		
Hatcheries, maintenance and operation of	3,500 00	2,723 72
Game Animals and Birds	300 00	5 72
Ponds, Buildings, etc., erection of	5,500 00	4,750 15
Unfor seen and unprovided	500 00	249 10
Exhibits	600 00	546 13
Moving Expenses of Officials	650 00	649 39
Macdiarmid, services and expenses at	1,000 00	944 00
Refunds	9,000 00	8,705 85

Public Works Department

Civil Government—		
Fees of Associations	50 00	46 00
Government Buildings, maintenance and repairs of—		
Government House, salaries	400 00	399 80
Gardeners, firemen, repairs to grounds, etc	11,314 88	10,520 82
Water, fuel, light and power	4,200 00	3,306 19
Repairs, contingencies, etc	13,000 00	12,903 91
Furniture and furnishings	2,825 80	2,741 99
Telephone service	130 00	124 08
Parliament and Departmental Buildings—		
Water and fuel	25,900 00	22,644 12
Electric power, light, current and gas	5,000 00	4,933 27
Repairs and cleaning of buildings, etc	19,000 00	18,942 03
Furniture and furnishings	6,327 67	6,327 49
Painting, outside and inside work	4,000 00	3,780 24
Telephone service	10,800 00	10,643 73
Offices, Spadina Crescent	4,220 16	4,220 16
Osgoode Hall—		
Fuel, light, water and power	2,900 00	2,828 25
Telephone and telegraph service	900 00	547 34
Public Buildings—		
Osgoode Hall, general repairs and alterations	396 25	389 32
Hospitals—		
Brockville, new chimney for power plant	500 00	487 95
Kingston, additions and alterations	1,500 00	1,272 34

TREASURY BOARD MINUTES.—Continued

Public Works Department.—Continued

	Warrant.	Expended.
Normal and Model Schools—		
Toronto, repairs, alterations, etc	500 00	274 49
North Bay, Normal, repairs and incidentals	250 00	71 17
Belleville School for the Deaf—		
Repairs and incidentals	4,000 00	2,726 91
Part reconstruction of main building	35,787 09	7,320 00
Furniture and furnishings for new wing	376 52	376 52
Brantford School for the Blind—		
Repairs and incidentals	2,600 00	1,794 42
Sandwich, English-French Training School—		
Repairs and incidentals	350 00	170 76
Monteith Northern Academy—		
Erection and furnishing new building	25,000 00	21,461 39
Water drainage, power and light	5,887 27	5,887 27
Ontario Agricultural College, Guelph—		
New Dairy Building	22,500 00	6,089 18
Veterinary College Stable	500 00	52 60
Kingston, Eastern Dairy School—		
To replace buildings destroyed by fire	22,000 00	8,000 81
Districts—		
Algoma, repairs, alterations, etc	200 00	134 77
Furniture and furnishings	150 00	105 92
Court House, Sault Ste. Marie	85 35	79 78
Nipissing, repairs and alterations	1,192 82	536 76
Furniture and furnishings	50 00	43 28
Parry Sound, furniture and furnishings	100 00	46 08
Court House	220 00	195 65
Furnishings, addition to Court House	25 00	1 82
Sudbury, repairs and alterations	1,100 00	846 37
Furniture and furnishings	5 63	5 63
Temiskaming, repairs, alterations, etc	40 00	8 79
Repairs to gaol at Cobalt	30 00	13 70
Thunder Bay, repairs and alterations	300 00	262 48
New court house, Port Arthur	25,500 00	25,357 30
Cochrane, rental, office accommodation, etc	500 00	491 53
Miscellaneous, insurance	1,500 00	1,207 88
Public Works—		
Maintenan e, locks, dams, bridges, etc	23,000 00	19,458 12
Surveys and inspections	4,600 00	4,558 05
Equipment, machinery, motor trucks, etc	7,100 00	7,099 71
Ditching machine	2,700 00	2,695 60
Bridges—		
Addington	1,500 00	1,372 05
Black, S. Branch Draper	1,000 00	776 63
Clark Creek, Con. 12, Dungannon	110 00	81 43
Deer Lake Dam	3,400 00	3,380 06
Desaulnier, Gibbons	400 00	342 31
Distress, 11th Chapman	3,000 00	2,976 10
Eagle River, Lot 24, Aubrey	152 24	152 24
Eleventh Line, Lot 19, Vespra	600 00	464 70
Hilliardton, La Blanche River	4,000 00	1,902 85
La Cloche, Con. 1, May	950 00	936 15
Lynx Creek, Brunel	200 00	190 01
Maple Island	1,700 00	475 65
Mosquito Creek, West Ferris	400 00	398 70
North Branch, Macaulay T.L	500 00	175 84
Old Killaloe	1,700 00	1,687 36
Papineau Creek, Con. 13, Carlow	160 00	157 75
Pearson's, White River	1,500 00	737 87
Port Sandfield Dock	1,000 00	138 07
Second Con., Kaladar	1,000 00	896 90
Section 35, River Road, Salter	750 00	701 84
Willow Creek, Con. 1, St. Edmunds	325 00	313 49
Drainage—		
Nipissing District	125 00	124 13
Parry Sound District	134 62	134 52
Rainy River, works	5,000 00	4,378 76
Renfrew District	100 20	100 10

TREASURY BOARD MINUTES.—Continued

Public Highways Department
(Under Minister of Public Works)

	Warrant.	Expended.
Civil Government—		
Contingencies	35,500 00	34,415 43
Motor Vehicles Branch, contingencies	500 00	493 59
Miscellaneous—		
Special constables	100 00	100 00
Automobile markers and supplies	16,000 00	15,967 35

Labour and Health Department

Civil Government—		
Board of Health, contingencies	3,500 00	1,490 32
Division of Maternal and Child Welfare, salaries	350 00	350 00
" Preventable Diseases, "	450 00	450 00
" Industrial Hygiene "	250 00	250 00
" Public Health Education "	100 00	100 00
Health—		
Public Health Exhibit	2,500 00	1,787 84

Provincial Treasurer's Department

Civil Government—		
King's Printer's Office—		
Contingencies	1,500 00	1,111 62
Cartage of stationery	600 00	379 15
Cost of Official Gazette	700 00	673 73
Miscellaneous—		
Amusement Tax Branch, contingencies	8,000 00	7,256 84
Motion Picture Bureau, "	4,000 00	3,133 39
Fire Marshal "	6,000 00	4,642 60
Law Stamp Distributor "	450 00	299 44
Wolf Bounty	9,000 00	8,217 00
Tanning wolf skins	850 00	589 92
Fidelity Bonds	1,000 00	508 21
Soldiers' Aid Commission, expenses	10,000 00	9,906 06
Refunds—		
Succession Duty, overpayments and deposits	20,000 00	5,078 70
" " Interest	3,000 00	1,398 81
Amusement Tax Act	9,800 00	9,767 12
Miscellaneous	99,983 08	46,181 84

Provincial Secretary's Department

Civil Government—		
Contingencies	3,200 00	3,183 58
Public Institutions Branch, contingencies	10,000 00	8,401 29
Registrar General's " "	2,000 00	1,941 61
Neglected Children's " "	7,075 00	7,060 67
Public Institutions—		
Hospitals—		
Brockville, expenses	50,000 00	49,477 49
Repairs to buildings, etc.	11,000 00	7,351 21
Cobourg, expenses	8,000 00	7,748 76
Hamilton, salaries	9,586 88	2,131 73
Expenses	55,000 00	54,715 66
Repairs to buildings, etc.	10,000 00	7,852 10
Kingston, expenses	54,000 00	52,549 18
Repairs to buildings, etc.	5,000 00	4,266 17
London, expenses	65,000 00	64,580 25
Repairs to buildings, etc.	15,000 00	12,509 33
Mimico, expenses	20,000 00	19,884 88
Orillia, "	70,000 00	61,307 17
Penetang "	5,000 00	2,134 08
Repairs to buildings, etc.	5,000 00	1,334 80
Toronto, expenses	110,000 00	108,075 02
Repairs to buildings, etc.	95,000 00	92,341 81

TREASURY BOARD MINUTES.—Continued

Provincial Secretary's Department.—Continued

	Warrant.	Expended.
Public Institutions—Continued—		
Hospitals—Continued—		
Whitby, salaries	14,971 53	3,271 87
Expenses	38,000 00	36,043 51
Repairs to buildings, etc	10,000 00	8,555 79
Woodstock, expenses	10,000 00	8,877 60
Guelph Reformatory, salaries	11,983 67	4,933 54
Repairs to buildings, etc	25,000 00	23,292 41
Guelph Reformatory, Industries, expenses	50,000 00	39,657 45
Mimico Brick and Tile Plant, salaries	2,880 22	1,980 22
Expenses	25,000 00	24,974 51
Mercer Reformatory, salaries	3,840 57	2,682 23
Expenses	5,000 00	1,958 52
Repairs to buildings, etc	5,500 00	5,447 00
Mercer Reformatory, Industries—		
Salaries and expenses	50,000 00	46,940 41
Burwash, Industrial Farm—		
Repairs to buildings, etc	20,000 00	16,583 17
Fort William, Industrial Farm—		
Expenses	5,000 00	3,682 13
Repairs to buildings, etc	10,000 00	9,078 00
Miscellaneous—		
Removal of patients to Ontario Hospitals	4,000 00	1,062 60
Clothing for bailiff removing patients	175 00	172 34
Railway fares and clothing, discharged prisoners—		
Industrial Farms, etc	3,000 00	1,105 41
Mercer Reformatory	700 00	434 40
Medical attendance, funeral expenses, etc., of officials	1,000 00	938 10
Treatment of patients, etc., in hospitals and sanatoria	1,000 00	1,000 00
Stationery and printing for Public Institutions	3,000 00	2,651 06
Canning operations at Ontario Hospitals	2,000 00	1,470 79
Hospitals and Charities—		
Industrial Schools	10,646 50	10,646 50
Children's Aid Work, services and expenses	5,000 00	4,330 27
Maintenance of patients in Municipal Sanatoria for consumptives	10,384 50	10,384 50
Miscellaneous—		
Deportation of undesirable immigrants	500 00	50 87

Agriculture Department.

Civil Government—		
Contingencies	900 00	878 04
Agricultural and Horticultural Societies Branch, contingencies	250 00	247 50
Colonization Branch, contingencies	125 00	113 77
Agriculture—		
Agricultural and Horticultural Societies—		
Field Crop Competitions, prizes, etc	2,500 00	2,158 55
Judges' services and expenses (Fall Fairs)	2,800 00	2,315 83
Live Stock Exhibits	750 00	695 38
Institutes—		
Grants, services, travelling and other expenses	7,000 00	6,568 75
Dairy Branch—		
Instruction, inspection, etc., re dairy products	14,875 00	14,542 83
Eastern Dairy School	4,000 00	4,485 51
Dairy products for grading purposes	2,500 00	2,129 46
Fruit Branch—		
Fruit work, growing, handling, etc	3,400 00	3,372 41
Precooling Station, Brighton, expenses	1,200 00	961 30
Horticultural Experiment Station, expenses	2,500 00	2,496 86
Agricultural Representatives, expenses	54,000 00	53,390 10
Ridgetown, Western Ontario Experimental Farm—		
Maintenance	3,000 00	2,583 44

TREASURY BOARD MINUTES.—Continued

Agriculture Department.—Continued

	Warrant.	Expended.
Agriculture—Continued—		
Miscellaneous—		
Demonstration Farm in Northern Ontario, expenses	15,000 00	1,161 50
Co-operative marketing	5,000 00	4,937 93
Removal expenses of officials	200 00	76 16
Agricultural Development Act, expenses	425 00	103 62
Incidentals	8,000 00	7,539 15
Ontario Agricultural College, expenses	20,200 00	16,875 65
Poultry Department, expenses	900 00	819 83
Horticultural Department, expenses	2,400 00	2,100 54
Bacteriology, expenses	1,300 00	1,295 42
Colonization and Immigration—		
Transportation expenses, distributing settlers, etc	40,000 00	40,000 00
Work in Great Britain and Ireland	420 90	420 90
Wages and expenses in connection with exhibits	3,500 00	3,480 99
Total Treasury Board Minutes	3,169,525 26	2,595,671 89

REPORT FOR 1923

OF

The Workmen's Compensation Board

ONTARIO

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

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1924

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TORONTO
CANADA

THE WORKMEN'S COMPENSATION BOARD

SAMUEL PRICE, Chairman
H. J. HALFORD, Vice-Chairman
GEO. A. KINGSTON, Commissioner
N. B. WORMITH, Secretary

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REPORT FOR 1923

OF

The Workmen's Compensation Board

ONTARIO

To His Honour the Lieutenant-Governor:

The Workmen's Compensation Board begs to submit its Report for the year 1923, being the ninth year of the operation of the Act.

GENERAL REVIEW

Benefits and Accidents

The total benefits awarded during the year 1923 amounted to $6,173,861.74, as compared with $5,692,896.61 during 1922, and $6,189,263.49 during 1921.

The total number of accidents reported during 1923 was 61,109, as against 50,411 during 1922, and 45,191 during 1921. The large increase shown for 1923 is in accidents of a minor nature, and the number of fatal accidents has somewhat decreased, being 379 in 1923 as against 418 in 1922 and 386 in 1921.

Since the commencement of the Act 383,327 accidents have been dealt with, and $39,814,411.80 awarded in benefits.

Daily Averages

During 1923 the accidents reported daily averaged 204, and the benefits awarded averaged $20,580.00 per day. The cheques issued by the Board averaged 592 per day, and about 4,000 pieces of mail were received and dispatched daily.

Medical Aid

Over 60,000 medical aid accounts (doctor, hospital, X-ray and nursing bills) were paid by the Board during the year, amounting to $788,905.90. The amount of medical aid paid in 1922 was $692,819.94 and in 1921 $662,793.89. This was in Schedule 1 industries only, medical aid in Schedule 2 industries and Crown cases being provided by the employer individually.

Employers under Two Systems

Much the greater number of industries and employers are under the collective liability system in what is known as Schedule 1, a smaller number, including chiefly municipal corporations, steam and electric railways and navigation companies, being upon the individual liability basis in what is known as Schedule 2. With Schedule 2 are also included certain Dominion and Provincial Government or Crown operations, the former being under the Act by virtue of Dominion legislation and accidents in the latter being referred, at the option of the Department, to the Board for adjudication.

Of the $6,173,861.74 benefits awarded during 1923 $4,825,076.16 was in Schedule 1 industries, and $1,348,785.58 in Schedule 2 and Crown industries, the latter amount, however, not including medical aid, as this is not dealt with by the Board. Of the $1,348,785.58 benefits in Schedule 2, $374,937.68 was in Crown cases.

Wage Expenditure

The total wage expenditure of all employers under the Act for the year (estimating Schedule 2 as being one-third of Schedule 1) is approximately $525,000,000, and the number of workmen is estimated at 450,000.

The employers in Schedule 1 numbered 22,201.

Assessments

Owing to the smaller proportion of death cases and serious accidents, and to the adoption of new actuarial tables reducing the capitalized values of pensions, the assessment rates for 1923 have in most industries been considerably reduced. A comparison of the mortality among the Board's pensioners with the actuarial tables used, so as to further test the adequacy of the Pension Fund, is now in progress.

It is intended before the end of the year to consider the application of merit rating for the three-year period elapsed since its last application.

It may be again pointed out that owing to the small administration expenses and the absence of the profits and overhead incident to ordinary insurance the Ontario rates are exceedingly low compared with the rates in most of the United States.

Administration Expenses

The Board's administration expenses during 1923 amounted to $237,433.34, as compared with $223,442.03 in 1922, and $226,660.63 in 1921. The amount is divided between Schedule 1 and Schedule 2, the portion payable by Schedule 1 industries for 1923 being $195,648,34.

Safety Associations

In 17 out of the 24 classes of industry in Schedule 1 Safety or Accident Prevention Associations are carried on under the management of the employers, the expenses being paid by the Board out of the Accident Fund. These expenses for 1923 amounted to $81,980.66, as compared with $69,225.98 in 1922, and $46,696.93 in 1921.

Interesting Information

About half of all the compensation awarded arises from cases in which there is some degree of permanent disability, a little more than one-quarter from cases of temporary disability only, and a little less than one-quarter from death cases.

Considerably less than one per cent. of all accidents reported are death cases; about four per cent. have some permanent disability; about half involve temporary disability only; and the rest either involve medical aid only or no payment.

The average cost of cases involving some degree of permanent disability was $1,114.41; of all death cases $3,755.38; of cases involving temporary disability only $75.93; of cases requiring medical aid but not involving compensation $5.21.

A little less than two per cent. of the injured workers are females; about 60 per cent. are married; and 87 per cent. are British subjects and 13 per cent. foreigners.

The average wage of compensated workmen in 1922 was $22.15. In 1920 it was about $25.50; in 1915 about $13.25. The average age was 35 years.

Contents of Report

In the different chapters and tables, as indicated in their headings, will be found information and particulars regarding compensation and assessments in the various industries, and explanations and particulars of the different funds of the Board; also an analysis and tabulation of the causes of accidents, the nature of injuries, and other information concerning accidents and workmen.

In the Appendix is contained, in the form of an address, a discussion of the principles and merits and the practical working of the present Act.

CHAPTER I

SCHEDULE 1 INDUSTRIES FOR 1923

A provisional statement of income and expenditure for Schedule 1 industries for 1923 appears as Table 1. Details of income received and estimated to be received, and of expenditures made and estimated to be made are given for each class. The estimates are necessary by reason of the fact that at the close of the year all claims are not yet finally disposed of nor are all assessment matters for the year fully dealt with. Full and final figures for the year 1923 will appear in the next subsequent report in the same manner as Table 15 of this report contains the final financial figures for 1922, which appeared provisionally as Table 1 in the Report for 1922.

A statement for Schedule 2 industries is given in Chapter II.

The total income, actual and estimated, for all classes of Schedule 1 for the year 1923 was $3,708,642.76; the total expenditure, actual and estimated, for all purposes and including the amounts set aside for pensions and compensation deferred, and the amounts paid for admnistration expenses and safety associations, was $5,180,485.25, leaving a net provisional deficit of $1,471,842.49. This deducted from the balance forward from 1922 of $912,292.27 makes a net provisional deficit of $559,550.22.

The provisional deficit of $559,550.22 at the end of 1923 compares with a provisional balance of $877,527.50 and an actual balance of $912,292.27 at the end of 1922.

Assessments

Table 2 shows the number of firms in Schedule 1 at the end of 1923, there being 22,201 as compared with 20,141 at the end of 1922. The assessments, actual and estimated, represent a total pay roll of $392,741,404.45, the provisional rate of assessment being 88 cents for each $100.00 of pay roll.

The assessments in Schedule 1 industries for 1923 were:

Collected on Estimated Pay Rolls	$4,109,912 67
Estimated Adjustment	−640,857 82
Total	$3,469,054 85

Other Income

The other income for the year included interest on current funds, payments under Sections 9, 74, 93*a* and 99 (3), transfers from Disaster Reserve, $35,000.00 to Class 12 and $15,000.00 to Class 21, and reimbursement from the Department of Soldiers' Civil Re-establishment for compensation and medical aid paid to war pensioners disabled more than 20 per cent., making a total of $239,587.91.

Balance Forward

The balance forward from 1922 is made up as follows:

1915 Surplus	$657,015 88
1916 Surplus	394,699 83
1917 Deficit	− 19,348 26
1918 Surplus	59,148 03
1919 Deficit	−650,203 70
1920 Surplus	487,731 96
1921 Surplus	292,160 82
1922 Deficit	−308,912 29
	$1,890,756 52
	−978,464 25
Balance Forward from 1922	$912,292 27

Compensation

The compensation for all accidents occurring in 1923, including estimates for outstanding compensation, is as follows:

Compensation paid other than pensions	$1,565,660 66
Transferred for pensions awarded	1,089,141 00
Compensation—payments deferred	35,265 00
Compensation estimated for continuing disabilities	749,772 47
Compensation estimated for outstanding accidents	702,009 69
Total Compensation for the year	$4,141,848 82

Medical Aid

Payments made and estimated to be made for medical aid amounted to $761,007.43, of which $571,887.03 was paid and $189,120.40 is estimated to be paid.

Other Expenditures

The other expenditures for the year were:

Paid to Safety Associations	$81,980 66
Balance of Administration Expense	195,648 34
	$277,629 00

Further Particulars

Further particulars and explanations as to payments and expenses and as to the condition of the several funds will be found in Chapters III and IV and Tables 8 to 14.

Class	Assessments Collected on Estimated Pay Rolls
	$ c.
1	468,953 89
2	247,629 84
3	75,728 12
4	167,773 24
5	316,026 29
6	180,026 85
7	114,771 90
8	133,645 97
9	189,550 53
10	251,407 10
11	191,045 90
12	158,209 50
13	87,632 21
14	56,162 97
15	185,596 15
16	94,550 64
17	115,146 04
18	32,735 25
19	95,517 35
20	119,101 95
21	144,735 36
22	79,247 67
23	186,125 45
24	418,592 50
All	4,109,912 67

1. Lumbering.
2. Pulp and p
3. Furniture n
4. Planing mil
5. Mining and
6. Brick manu
work

TABLE 1

PROVISIONAL STATEMENT OF INCOME AND EXPENDITURE, SCHEDULE 1 BY CLASSES, FOR YEAR 1923

Class	INCOME (Actual and Estimated)					EXPENDITURE (Actual and Estimated)										BALANCE (Provisional)	Class
	Assessments Collected on Estimated Pay Rolls	Interest on Current Funds, and other Receipts	Estimated Adjustment 1923 Pay Rolls*	Carried Forward from 1922	TOTAL	Compensation Paid, other than Pensions	Transferred for Pensions Awarded	Paid to Safety Associations	Administration Expenses	Compensation Deferred	Paid for Medical Aid	Compensation Estimated for Continuing Disabilities	Compensation Estimated for Outstanding Accidents	Estimated for Medical Aid	TOTAL		
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
1	468,953 89	3,083 23	—31,796 24	—67,670 20	372,570 68	176,731 64	95,751 00	5,400 00	25,962 90	5,650 00	79,257 46	104,708 12	92,419 64	33,533 72	619,414 48	—246,843 80	1
2	247,629 84	341 38	—7,923 75	—61,433 86	178,613 61	84,626 28	98,665 00	5,400 00	13,022 48	950 00	32,319 36	19,617 04	47,437 54	10,345 06	312,382 76	—133,769 15	2
3	75,728 12	5,572 97	—11,741 42	36,265 47	105,825 14	34,965 69	10,235 00	1,823 51	2,066 81	1,375 00	11,095 96	7,800 64	10,875 29	2,821 57	83,059 47	22,765 67	3
4	167,773 24	7,049 83	—33,046 20	23,901 02	165,677 89	71,710 56	22,783 00	6,373 45	7,223 85	2,060 00	21,773 05	32,385 09	25,787 73	3,985 82	194,082 55	—28,404 66	4
5	316,026 29	2,097 89	31,698 56	50,318 97	400,141 71	132,316 26	156,790 00	.....	16,231 85	150 00	47,521 66	74,518 58	72,754 97	22,673 79	522,957 11	—122,815 40	5
6	180,026 85	7,839 32	—14,590 23	12,454 37	185,730 31	55,821 44	31,935 00	7,688 24	8,714 08	.....	19,494 10	39,407 91	25,432 87	8,754 63	197,248 27	—11,517 96	6
7	114,771 90	10,695 28	—10,300 50	102,203 11	217,369 79	58,600 92	39,360 00	2,150 33	2,437 25	350 00	18,283 94	21,680 14	23,998 21	6,330 82	173,191 61	44,178 18	7
8	133,645 97	1,279 86	—4,566 80	—30,594 37	99,764 66	63,801 00	35,359 00	5,946 27	6,739 70	950 00	27,319 90	5,468 33	21,115 67	3,910 21	170,610 08	—70,845 42	8
9	189,550 53	5,250 12	—13,294 89	14,456 89	195,962 65	79,236 65	35,407 00	6,662 01	7,550 91	1,650 00	34,146 88	14,622 20	26,183 17	6,120 81	211,579 63	—15,616 98	9
10	251,407 10	18,266 12	—60,642 12	142,957 28	351,988 38	121,354 14	46,448 00	7,913 60	8,969 51	10,015 00	46,667 17	56,211 38	46,805 71	12,386 23	356,770 74	—4,782 36	10
11	191,045 90	14,393 13	—57,983 03	109,789 50	257,245 50	95,065 62	38,419 00	6,481 50	7,346 33	2,030 00	31,452 59	26,857 72	32,474 47	8,899 83	249,027 06	8,218 44	11
12	158,209 50	†37,398 50	—40,152 24	31,457 98	186,913 74	46,418 00	105,191 00	.....	7,030 70	1,275 00	16,437 63	16,276 35	25,358 54	4,869 68	222,856 90	—35,943 16	12
13	87,632 21	4,016 39	—18,888 31	2,008 86	74,759 15	23,112 00	17,646 00	.....	4,291 92	1,200 00	7,225 30	9,094 91	10,210 58	3,766 40	76,547 11	—1,777 96	13
14	56,162 97	2,885 92	—16,946 48	14,992 06	57,094 47	19,879 94	11,701 00	1,851 55	2,098 59	.....	9,075 54	2,727 42	6,861 67	1,438 36	55,634 07	1,460 40	14
15	185,596 15	10,706 99	—60,009 72	32,233 39	168,526 81	56,959 24	31,185 00	6,717 42	7,613 71	450 00	21,154 03	19,905 90	21,700 03	3,610 71	169,296 04	—769 23	15
16	94,550 64	1,664 10	—6,170 49	27,892 96	117,937 21	51,568 02	30,287 00	3,547 67	4,021 02	2,575 00	15,876 00	18,981 43	20,682 29	5,483 46	153,021 89	—35,084 68	16
17	115,146 04	3,448 77	—22,945 64	6,020 87	101,670 04	34,077 65	32,006 00	4,911 69	5,566 90	1,100 00	13,372 94	19,011 88	17,239 10	4,529 91	131,816 07	—30,146 03	17
18	32,735 25	4,180 93	—15,906 82	30,920 42	51,929 78	12,802 66	3,218 00	775 82	879 34	1,100 00	7,047 85	15,711 06	6,566 34	778 47	48,879 54	3,050 24	18
19	95,517 35	7,929 50	—44,720 66	21,171 67	79,897 86	20,633 83	10,751 00	2,337 61	2,649 50	1,335 00	7,107 35	10,800 59	8,704 08	1,665 57	65,984 53	13,913 33	19
20	119,101 95	4,269 55	—5,115 22	8,731 01	126,987 29	44,186 46	37,250 00	.....	7,041 56	100 00	14,341 46	20,585 66	20,424 43	4,040 52	147,970 09	—20,982 80	20
21	144,735 36	†20,897 17	—27,043 63	24,894 63	163,483 53	45,870 26	53,105 00	.....	8,932 94	700 00	15,323 00	63,831 20	32,701 29	14,123 16	234,586 85	—71,103 32	21
22	79,247 67	4,765 13	—28,230 86	15,539 17	71,321 11	16,750 26	19,415 00	5,999 99	3,708 68	.....	6,157 95	4,713 99	8,175 85	1,200 31	66,122 04	5,199 07	22
23	186,125 45	15,159 77	—52,770 62	82,213 56	230,728 16	61,782 65	39,427 00	.....	11,762 46	.....	23,033 76	65,608 78	33,363 69	6,993 55	241,971 89	—11,243 73	23
24	418,592 50	46,396 06	—87,770 51	281,567 51	658,785 56	157,389 49	86,807 00	.....	23,785 35	250 00	46,402 14	79,246 15	64,736 53	16,857 81	475,474 47	183,311 09	24
All	4,109,912 67	†239,587 91	—640,857 82	912,292 27	4,620,935 03	1,565,660 66	1,089,141 00	81,980 66	195,648 34	35,265 00	571,887 03	749,772 47	702,009 69	189,120 40	5,180,485 25	—559,550 22	All

*Adjusted on retroactive rates.

†Includes transferred from Disaster Reserve:
Class 12, $35,000.
Class 21, $15,000.

Class Numbers of Industries

1. Lumbering.
2. Pulp and paper mills.
3. Furniture manufacturing, etc.
4. Planing mills, etc.
5. Mining and explosives.
6. Brick manufacturing, quarrying and glass works.
7. Rolling mills, etc.
8. Foundries, etc.
9. Fabrication structural steel, etc.
10. Metal articles, jewellery manufacturing, etc.
11. Agricultural implements, etc.
12. Gas, petroleum, paint, drugs, soap, etc.
13. Milling.
14. Abattoirs, etc.
15. Bakeries, canning, liquors, and tobacco.
16. Tanneries, leather and rubber goods.
17. Textiles.
18. Clothing, power laundries, etc.
19. Printing and stationery.
20. Teaming, cartage, coal and wood yards, etc.
21. Road construction, etc.
22. Electric power, etc.
23. Steel construction, railway and canal construction, dredging, fishing, etc.
24. Building.

TABLE 2

NUMBER OF FIRMS IN SCHEDULE 1, BY GROUPS, DECEMBER 31, 1923

Class	Group 0	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	Totals
1	326	235	1,390	.....	.....	.....	.....	.....	.....	.....	1,951
2	32	21	10	.....	.....	.....	.....	.....	.....	.....	63
3	130	41	35	127	.....	.....	.....	.....	.....	.....	333
4	386	59	89	27	130	.....	.....	.....	.....	.....	691
5	79	157	06	147	05	18	20	07	.....	.....	439
6	72	98	09	212	61	137	136	.....	.....	.....	725
7	04	14	01	.....	.....	.....	.....	.....	.....	.....	19
8	104	10	57	34	.....	.....	.....	.....	.....	.....	205
9	17	18	02	25	156	17	.....	.....	.....	.....	235
10	357	270	43	48	52	24	133	99	.....	.....	1,026
11	64	481	80	03	.....	.....	.....	.....	.....	.....	628
12	17	203	97	29	206	.....	.....	.....	.....	.....	552
13	558	62	.....	.....	.....	.....	.....	.....	.....	.....	620
14	81	.....	.....	.....	.....	.....	.....	.....	.....	.....	81
15	173	176	71	225	66	170	55	.....	.....	.....	936
16	53	107	87	34	24	.....	.....	.....	.....	.....	305
17	122	122	82	.....	.....	.....	.....	.....	.....	.....	326
18	648	115	.....	.....	.....	.....	.....	.....	.....	.....	763
19	326	467	41	48	.....	.....	.....	.....	.....	.....	882
20	890	803	.....	.....	.....	.....	.....	.....	.....	.....	1,693
21	531	163	.....	.....	.....	.....	.....	.....	.....	.....	694
22	308	.....	.....	.....	.....	.....	.....	.....	.....	.....	308
23	87	102	246	.....	.....	.....	.....	.....	.....	.....	435
24	1,199	431	1,821	358	1,097	953	276	42	1,742	372	8,291
All											22,201

CHAPTER II

SCHEDULE 2 INDUSTRIES DURING 1923

Table 3 sets out particulars of Schedule 2 matters during 1923. Therein is contained the total amount of compensation awarded and particulars of the funds handled. Cases referred by the Crown, Dominion and Provincial, to the Board for adjustment are included.

During 1923 there was awarded by way of compensation in Schedule 2 industries and for Crown cases, $1,348,785.58, of which $796,738.11 was for pension awards and $552,047.47 for awards not pensions. Included in these amounts is $374,937.68, made up of $177,091.00 pension awards and $197,846.68 not pension awards, in Crown cases.

In pension cases, except in the case of municipal or Government bodies, or departments thereof, not so desiring, deposits must be made by employers in Schedule 2 industries. Particulars of these are given under "Deposits for Pensions." Under "Claimants' Moneys" are included moneys held by the Board under awards in which in the interest of the claimant, or for other reason, payment of the amounts held is deferred to a later date, as in the case of minors. "Deposits for Temporary Payments" are amounts deposited with the Board under section 31a to enable the Board to make prompt current payments, and in some cases pension payments, without waiting for receipt of cheque from employer.

Employers in Schedule 2 are assessed a proportionate share of the expense of administration, other than the amount provided by the Province and by the Dominion of Canada, as set out in Table 9. For 1923 that share amounted to $27,583.24 as compared with $20,051.20 in 1922, and $22,469.45 in 1921. For 1923, $12,863.41 was charged to the Dominion of Canada and $1,338.35 to the Province of Ontario. Proportionate to the amount of compensation awarded, administration expenses in Schedule 2 and Crown cases were 3.10 per cent. in 1923 as compared with 1.73 per cent. in 1922, and 1.79 per cent. in 1921. It is to be noted that in 1922 the Province of Ontario contributed $100,000.00 under section 68 towards the Board's administration expenses, of which contribution Schedule 2 received its proportionate share, while in 1923 no contribution was made.

The net rate of interest during 1923 earned by and credited to Schedule 2 funds was 6.02 per cent. per annum, as compared with 6.04 per cent. per annum during 1922, and 5.67 per cent. per annum during 1921.

TABLE 3

STATEMENT FOR SCHEDULE 2 DURING 1923

SCHEDULE 2 AWARDS

	Awards Not Pensions		Pensions		Totals	
	$	c.	$	c.	$	c.
Municipal Corporations, etc.	79,106	99	128,755	00	207,861	99
Steam Railroads	199,309	33	351,887	31	551,196	64
Electric Railways	34,360	38	79,261	00	113,621	38
Navigation Companies	29,209	22	45,236	80	74,446	02
Express and Sleeping Car Companies	4,513	01	3,625	00	8,138	01
Telephone and Telegraph Companies	6,368	26	10,555	00	16,923	26
Under Section 6	83	60	327	00	410	60
All Others	1,250	00	.....		1,250	00
Referred to Board by Crown	197,846	68	177,091	00	374,937	68
Totals	$552,047	47	$796,738	11	$1,348,785	58

SCHEDULE 2 FUNDS

Deposits for Pensions

Cash in bank and invested, January 1, 1923	$2,952,210 87	
Deposits received from employers	326,270 77	
Interest received	179,706 83	
Paid to pensioners		269,869 05
Cash in bank and invested, December 31, 1923		3,188,319 42
	$3,458,188 47	$3,458,188 47

Claimants' Moneys

Cash in bank and invested, January 1, 1923	$76,264 86	
Deposits received from employers	2,150 00	
Interest received	3,848 08	
Paid to claimants—as principal		$14,818 05
Paid to claimants—as interest		240 24
Cash in bank and invested, December 31, 1923		67,204 65
	$82,262 94	$82,262 94

Deposits for Temporary Payments

Cash in bank, January 1, 1923	$22,426 05	
Deposits received from employers	584,353 65	
Payments made		$551,088 67
Cash in bank, December 31, 1923		55,691 03
	$606,779 70	$606,779 70

TOTALS OF FUNDS

Cash in bank and invested, January 1, 1923	$3,050,901 78	
Deposits received from employers	912,774 42	
Interest received	183,593 68	
Payments made		$836,016 01
Cash in bank and invested, December 31, 1923 (including $38.77 interest not apportioned)		3,311,253 87
	$4,147,269 88	$4,147,269 88

CHAPTER III

WORK HANDLED DURING 1923

Tables 4 to 10 contain particulars in regard to the work handled during 1923, without regard to the year to which they relate, and also give other information in respect to the administration of the Act during the year.

Compensation Awarded During the Year

The total amount of compensation awarded during 1923 was $5,384,955.84 of which amount $4,036,170.26 was in Schedule 1 industries, $374,937.68 in Schedule 2 industries, and $973,847.90 in Crown industries.

The amount of compensation awarded each year, and the total amount awarded, beginning 1915, is as follows:

Year	Schedule 1 Industries	Schedule 2 and Crown Industries	Totals
1923	$4,036,170 26	$1,348,785 58	$5,384,955 84
1922	3,417,101 61	1,582,975 06	5,000,076 67
1921	3,858,017 50	1,668,452 10	5,526,469 60
1920	5,113,049 77	1,963,389 82	7,076,439 59
1919	2,808,638 65	997,922 77	3,806,561 42
1918	2,751,137 45	763,511 02	3,514,648 47
1917	2,289,529 44	623,556 37	2,913,085 81
1916	1,559,759 01	451,709 93	2,011,468 94
1915	692,389 09	200,932 03	893,321 12
Totals	$26,525,792 78	$9,601,234 68	$36,127,027 46

Medical Aid Paid During the Year

Expenditure for medical aid in Schedule 1 industries during 1923 amounted to $788,905.90; in Schedule 2 and Crown industries medical aid was furnished by the employers. The payments for medical aid in Schedule 1 for each year have been:

Year	Amount of Medical Aid
1923	$788,905 90
1922	692,819 94
1921	662,793 89
1920	703,705 66
1919	386,298 51
1918	369,346 37
1917	*83,514 07
Total	$3,687,384 34

*Half-year only.

Accidents Reported During the Year

During 1923 reports were received of 61,109 accidents. These included some accidents not serious enough to involve payment of either compensation or medical aid and for which no claim was made. At the close of the year there were 1,837 claims in assembly, 1,454 in Schedule 1 and 383 Schedule 2 and Crown cases, notice of the accident, but not the necessary forms to complete claim record, having been received.

The number of accidents reported each year, and the total since the inception of the Act, January 1, 1915, follows:

Year	Schedule 1	Schedule 2	Crown	Total
1923	51,655	6,080	3,374	61,109
1922	42,139	7,124	1,148	50,411
1921	36,272	7,666	1,253	45,191
1920	46,177	7,222	1,452	54,851
1919	36,236	7,918	106	44,260
1918	40,662	7,113	73	47,848
1917	30,701	5,813	18	36,532
1916	21,269	4,806	17	26,092
1915	13,878	3,144	11	17,033
Totals	318,989	56,886	7,452	383,327

Accidents Compensated During the Year

Table 4 shows the number of accidents in which compensation or medical aid was paid during 1923. The total number was 53,638, as compared with 42,509 in 1922. Of the 53,638, 47,873 were in Schedule 1, 3,849 in Schedule 2, and 1,916 were Crown cases. There were included in the 53,638 cases 318 death cases, 26 permanent total disability cases, 2,350 permanent partial disability cases, 30,338 cases of temporary disability in which some compensation was paid, and 20,606 cases in which medical aid only was paid.

Of the 53,638 accidents in which some compensation or medical aid was paid during 1923, 6,886 occurred in 1922 and 46,752 in 1923.

The number of accidents in which compensation or medical aid was awarded each year since the commencement of the Act is as follows:

Year	Schedule 1	Schedule 2	Crown	Totals
1923	47,873	3,849	1,916	53,638
1922	37,172	4,572	765	42,509
1921	34,271	5,161	834	40,266
1920	42,693	4,444	714	47,851
1919	34,400	4,517	153	39,070
1918	36,565	4,335	30	40,930
1917	25,277	3,406	19	28,702
1916	15,370	2,825	3	18,208
1915	8,328	1,494	7	9,829

Claims Reopened

In addition to Schedule 1 claims compensated as shown in Table 4, the Board in 1923 reopened 320 claims for further action. Of these 2 were cases which had subsequently terminated in death, 4 were cases of foreign-born pensioners returning to their native land, commutation being made of their pension, 21 were due to amendment to the Act, and 293 were cases of other awards previously made being changed in form or amount.

Assessments and Compensation Cheques Issued

During the year 1923 there were 26,147 assessments issued, including refunds. In all 178,937 cheques were issued during the year, an average of 592 daily. The daily average number of office callers was 76, and about 4,000 pieces of mail daily were handled.

Wage Expenditure in Schedule 1

An estimate of the total pay roll for each class in Schedule 1 appears in Table 5.

The wage expenditure for the various years is as follows:

Year	Wage Expenditure
1915 (final figures)	$147,602,561 67
1916 (final figures)	220,839,658 19
1917 (final figures)	286,902,695 73
1918 (final figures)	310,450,067 17
1919 (final figures)	325,225,970 37
1920 (final figures)	464,589,210 57
1921 (final figures)	355,259,287 31
1922 (final figures)	391,888,235 09
1923 (provisional figures)	392,741,404 45
Total in Schedule 1	$2,895,499,090 55

The Board has no similar data for Schedule 2 and Crown industries as, compensation and medical aid being an individual liability, pay rolls are not required to be filed; the pay roll is probably one-third that of Schedule 1.

Average Rates of Assessment

The total wage expenditure in Schedule 1 industries for 1922 was $391,888,235.09 and the net income $4,221,470.36. The average charge for each $100.00 of pay roll was therefore $1.08 as compared with $1.34 for 1921, $1.23 for 1920, $1.22 for 1919, $1.09 for 1918, 99 cents for 1917, $1.09 for 1916 and $1.27 for 1915. The average charge for 1923 based on provisional figures is 88 cents.

Receipts and Payments and Balance

Table 6 sets out the receipts and payments during 1923, and Table 7 is the balance sheet as at December 31, 1923. Assets totalled in Schedule 1, $14,285,421.79, including deficit owing by classes (Table 1) of $559,550.22, and in Schedule 2, $3,311,253.87.

Payments to Safety Associations

Table 8 gives the payments to the Safety or Accident Prevention Associations established under authority of the Act, the total amount being $81,980.66, and shows the names of the Associations, the names and salaries of the inspectors and the amounts paid for salaries and travelling expenses and granted for other expenses during 1923.

Administration Expenses

The amount of administration expenses analyzed by expenditure appears in Table 9. Details of all disbursements of administration expenses appear from year to year in the Public Accounts of the Province. The total amount of administration expenses paid by the Board during 1923 was $237,433.34, as compared with $223,442.03 in 1922. Of this amount $12,863.41 was charged to the Dominion of Canada, $1,338.35 to the Province of Ontario, $27,583.24 to Schedule 2 employers and $195,648.34 to Schedule 1 employers.

The ratio of administration expenses charged to Schedule 1 employers in 1923 to the compensation and medical aid awarded during the year was 4.06 per cent., as compared to 2.36 per cent. in 1922; and to net assessments received

during the year 4.47 per cent., as compared with 2.52 per cent. in 1922, the increased ratio for 1923 being chiefly by reason of the absence of the Government Grant of $100,000.00 which had been given in previous years.

The names, positions and salaries of the staff of the Board are given in Table 10.

TABLE 4

COMPENSATION, MEDICAL AID, AND ACCIDENTS PAID FOR DURING 1923

Compensation Awarded During 1923

Schedule 1	$4,036,170 26
Schedule 2	374,937 68
Crown Cases	973,847 90
Total	$5,384,955 84

Medical Aid Paid During 1923

Schedule 1	$788,905 90
Schedule 2	furnished by employer
Crown Cases	furnished by employer

Accidents Paid for During 1923

Year of Occurrence		Temp. Dis.	Perm. Partial Dis.	Perm. Total Dis.	Death	Totals
Schedule 1—						
1922	Finally disposed of	2,336	794	17	36	3,183
1923	Finally disposed of	21,071	1,266	5	166	22,508
1923	Partially disposed of	1,673	.....	.....	.....	1,673
1922	Medical Aid only	2,700	.....	.....	.....	2,700
1923	Medical Aid only	17,809	.....	.....	.....	17,809
	Totals	45,589	2,060	22	202	47,873
Schedule 2—						
1922	Finally disposed of	624	112	3	12	751
1923	Finally disposed of	2,732	91	.....	71	2,894
1923	Partially disposed of	204	.....	.....	.....	204
	Totals	3,560	203	3	83	3,849
Crown Cases—						
1922	Finally disposed of	181	38	1	11	231
1923	Finally disposed of	1,368	49	.....	22	1,439
1923	Partially disposed of	149	.....	.....	.....	149
1922	Medical Aid only	21	.....	.....	.....	21
1923	Medical Aid only	76	.....	.....	.....	76
	Totals	1,795	87	1	33	1,916
	Grand Totals	50,944	2,350	26	318	53,638

TABLE 5

ESTIMATE OF WAGE EXPENDITURE, SCHEDULE 1 BY CLASSES, FOR 1923

Class	Wage Expenditure		Wage Expenditure
1	$19,546,491 73	14	$6,526,628 71
2	15,825,070 03	15	22,481,873 60
3	13,450,476 15	16	19,393,357 01
4	10,952,448 56	17	19,592,645 01
5	19,426,280 86	18	21,655,683 80
6	11,810,206 27	19	21,043,940 56
7	8,725,382 06	20	8,807,971 36
8	12,975,144 48	21	7,456,088 94
9	18,410,086 74	22	4,328,808 21
10	33,185,092 79	23	8,053,427 56
11	31,635,026 70	24	33,834,066 88
12	16,794,998 17		
13	6,830,208 27	Total	$392,741,404 45

TABLE 6

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1923

Schedule 1

Receipts			Payments		
Cash in Banks, Jan. 1, 1923:			Compensation Paid other than Pensions and Compensation Deferred		$2,110,071 33
Dominion Bank	$42,663 95		Pensions Paid		877,453 44
Standard Bank	1,797 58		Paid to Safety Associations		81,980 66
Bank of Montreal	4,038 21		Administration Expenses		237,433 34
		$48,499 74	Deferred Compensation Paid		60,808 47
Net Assessments, Penalties, etc., collected:			Paid for Medical Aid		788,905 90
Gross Assessments, Penalties, etc.	$4,401,751 00		Invested		2,004,909 20
Under Section 9	8,732 14		Cash in Bank, Dec. 31, 1923:		
Under Section 74	200 00		Standard Bank	$2,649 82	
Under Section 93a	14,364 34		Bank of Montreal	1,584 77	
Under Section 99(3)	184 38				4,234 59
Merit Rating Charges	888 89				
From D. S. C. R.	9,392 72				
	$4,435,513 47				
Less:					
Assessments and Penalties refunded	60,827 77				
Merit Rating Refunds	29 66				
	$60,857 43				
		4,374,656 04			
Interest Received		725,566 91			
From Schedule 2 employers and Dominion Crown for administration expenses account of prior years paid out of Schedule 1 in 1922		19,164 36			
Principal returned from Investments		909,401 95			
From Dominion Bank (overdraft)		88,507 93			
		$6,165,796 93			$6,165,796 93

TABLE 6—Continued

Schedule 2

Receipts		Payments		
January 1, 1923:		Claimants' Moneys:		
Cash in Imperial Bank....	$35,686 74	Paid as Principal.....	$14,818 05	
Deposits by employers on order of Board:		Paid as Interest.....	240 24	
For Claimants' Moneys	2,150 00			$15,058 29
For Pensions.....	326,270 77	Paid on Pensions.....		269,869 05
Under Section 31a...	584,353 65	Paid out of Deposits under Section 31a—		
Interest Received.....	183,593 68	For Medical Aid.	7,928 43	
		For Compensation....	543,160 24	
				551,088 67
		Permanent Investments.....		203,370 23
		Dec. 31, 1923:		
		Cash in Imperial Bank..		92,668 60
	$1,132,054 84			$1,132,054 84

TABLE 7

BALANCE SHEET AS AT DECEMBER 31, 1923

Schedule 1

Assets			Liabilities	
Cash in Banks:			Overdraft:	
Standard Bank.....	$2,649 82		Dominion Bank.....	$88,507 93
Bank of Montreal..	1,584 77		Deferred Payments accruing under awards made.....	159,863 14
		$4,234 59	Compensation estimated for continuing disabilities.....	749,772 47
Short Date Deposits.....		900,000 00	Compensation estimated for outstanding accidents.....	702,009 69
Municipal Debentures.....		10,032,764 82	Medical Aid estimated.....	189,120 40
Dominion of Canada War Loan.....		2,741,570 81	Disaster Reserve.....	237,826 43
Due from Schedule 2 employers for Administration Expenses paid out of Schedule 1 Funds.....		27,927 21	Pension Liability.....	11,517,463 91
Due from Dominion of Canada for Administration Expenses paid out of Schedule 1 Funds.....		18,035 79	Assessments estimated to be refunded on adjustment of of 1923 pay rolls.....	640,857 82
Due from Province of Ontario for Administration Expenses paid out of Schedule 1 Funds.....		1,338 35		
Deficit owing by Classes (Table 1).....		559,550 22		
		$14,285,421 79		$14,285,421 79

Schedule 2

Assets		Liabilities	
Cash in Imperial Bank.....	$92,668 60	Employers' Deposits for Pensions.....	$3,188,319 42
Dominion of Canada War Loan.....	2,516,258 81	Employers' Deposits for Temporary Payments....	55,691 03
Toronto Harbour Commissioners' Debentures.....	452,735 10	Claimants' Moneys held by Board.....	67,204 65
Municipal Debentures.....	249,591 36	Unapportioned Interest.....	38 77
	$3,311,253 87		$3,311,253 87

TABLE 8

PAYMENTS TO SAFETY OR ACCIDENT PREVENTION ASSOCIATIONS, 1923

Association	Class	Inspectors	Salaries	Paid for Salaries	Travelling Expenses	Grants for Expenses	Total Paid
			$ c.	$ c.	$ c.	$ c.	$ c.
Lumbermen's Safety Association	1	R. F. Milne	2,400 00 a year	2,400 00	Included in grants	3,000 00	5,400 00
The Ontario Pulp and Paper Makers' Safety Association	2	A. P. Costigane	250 00 a month	3,000 00	Included in grants	2,400 00	5,400 00
Industrial Accident Prevention Associations	3	F. G. Lovett	190 00 a month	2,280 00	1,206 00		
	4	S. Twist		2,280 00	1,061 76		
	6	A. Duncan		2,280 00	422 46		
	7	D. J. Hay		2,280 00	767 61		
	8	A. E. Hawker	190 00 a month to June 1,	950 00	74 50		
	9						
	10	J. W. MacFarlane	1,600 00 a year to April 1, $1,900 a year thereafter	1,825 00	1,008 65		
	11						
	14						
	15	V. L. Mummery	190 00 a month to April 1, $2750 a year thereafter; after May 1, on office staff of Associations	799 16	244 70		
	16						
	17						
	18						
	19						
	20	Wm. Sutherland	1,600 00 a year from May 14	1,006 46	1,178 12		
	21	F. F. Arnold	1,600 00 a year from May 21	980 65	535 60	44,000 00	65,180 67
Electrical Employers' Association of Ontario	22	Wills Maclachlan	3,000 00 a year	2,999 99	Included in grants	3,000 00	5,999 99
				$23,081 26	$6,499 40	$52,400 00	$81,980 66

TABLE 9

ANALYSIS OF ADMINISTRATION EXPENSES DURING 1923

Salaries of Staff	$159,653 12	
Travelling expenses of Board and Staff	5,143 27	
Printing, stationery, and office supplies	18,921 84	
Postage and Excise Tax	25,195 41	
Telephone, telegrams, and express	632 63	
Legal expenses, witness fees, etc.	1,709 98	
Medical examinations, X-ray plates, etc.	698 65	
Workmen's travelling expenses	705 20	
Assessors' returns	1,125 00	
Insurance and security service	657 19	
Rent of premises and caretaking	21,739 00	
Permanent office equipment	1,229 73	
Sundry expenses	22 32	
Total Administration Expenses, 1923	$237,433 34	
Less Charged to Dominion of Canada	12,863 41	
		$224,569 93
Charged to Province of Ontario	$1,338 35	
Charged to Schedule 2 employers	27,583 24	
Charged to Schedule 1 employers	195,648 34	
		$224,569 93

TABLE 10

SALARIES OF STAFF, WITH NAMES AND POSITIONS, 31st DECEMBER, 1923

Name	Position	Salary
Dr. W. E. Struthers	Medical Officer	$5,050 00 per year.
N. B. Wormith	Secretary	4,800 00 " "
Dr. D. E. Bell	Medical Officer	4,550 00 " "
T. N. Dean	Statistician	4,550 00 " "
Dr. J. M. Bremner	Medical Officer	4,000 00 " "
F. W. Graham	Claims Officer	3,250 00 " "
L. M. Miller	Medical Aid Officer	3,050 00 " "
R. W. Dance	Assistant Secretary	3,050 00 " "
H. R. Polson	Pay Roll Auditor	2,820 00 " "
J. W. Tucker	Assistant Claims Officer	2,750 00 " "
H. F. Hall	Pay Roll Auditor	2,620 00 " "
W. C. Bayly	" " "	2,520 00 " "
G. N. Whiteside	" " "	2,520 00 " "
E. E. Starr	" " "	2,420 00 " "
Harold Pryce	Assessment Officer	2,420 00 " "
F. A. McNamara	Acting Pay Roll Officer	2,420 00 " "
John Scott	Collector	2,370 00 " "
John J. Hayward	Assistant to Medical Officer	2,370 00 " "
W. B. Terry	Cashier	2,370 00 " "
E. P. Dowdall	Claims Clerk	2,320 00 " "
Samuel Holland	Assistant to Medical Aid Officer	2,320 00 " "
O. L. Redfern	Bookkeeper	2,220 00 " "
J. D. Hunter	"	2,120 00 " "
Ceo. E. Heal	"	2,120 00 " "
Chas. G. Cameron	Clerk	2,070 00 " "
W. B. Cross	Assistant Statistician	1,970 00 " "
F. G. Waters	Clerk	160 00 " month.
W. G. Perry	Messenger and Clerk	155 00 " "
L. K. Knowles	Claims Clerk	150 00 " "
Ethel McFarlane	Commissioner's Stenographer and Clerk	126 75 " "
Edna Pack	Chairman's Secretary	123 50 " "
Sara MacPherson	Stenographer and Clerk	110 50 " "

Table 10—Continued

Name	Position	Salary
Alice E. Smith	Stenographer and Clerk	110 50 per month.
Mrs. E. McKinnon	" " "	107 25 " "
Mrs. A. Somers	Switchboard Operator	107 25 " "
Rita O'Halloran	Clerk	104 00 " "
Mary J. Day	Stenographer and Clerk	100 75 " "
Etta Bell	" " "	100 00 " "
Mrs. L. Emack	" " "	97 50 " "
Naomi Stevens	" " "	97 50 " "
Anne Fyfe	" " "	97 50 " "
Mary Stull	Clerk	97 50 " "
I. F. Acheson	"	91 00 " "
Beulah Stewart	"	91 00 " "
Mary L. Clark	"	91 00 " "
Kathleen Gordon	"	91 00 " "
Kathleen Murray	Stenographer and Clerk	91 00 " "
Hilda Lewis	" " "	91 00 " "
Pauline Flint	Clerk	91 00 " "
Marjorie Baker	Stenographer	90 00 " "
Cora Fetherston	Clerk	87 75 " "
Violet Miles	"	84 50 " "
Margaret Nicholl	"	84 50 " "
Ethel Christopher	Stenographer and Clerk	84 50 " "
Mabel Thompson	Clerk	84 50 " "
Elizabeth Rowland	Stenographer and Clerk	84 50 " "
Margaret Torry	" " "	81 25 " "
Dorothy Hamnett	"	78 00 " "
Valeria Johnston	"	78 00 " "
Mary G. Davis	" and Clerk	78 00 " "
Frances Rickey	" " "	78 00 " "
Bessie Covey	Clerk	78 00 " "
Eva Holland	"	78 00 " "
Isabel Pim	"	78 00 " "
Winnifred Brabant	"	78 00 " "
Fred Fincham	"	75 00 " "
Phyllis Barker	Stenographer and Clerk	75 00 " "
Agnes MacFarlane	" " "	75 00 " "
Ethel Burns	Clerk	70 00 " "
Mildred Thompson	"	70 00 " "
Myrtle Simpson	"	70 00 " "
Mae Lewis	"	70 00 " "
Alice Holt	Stenographer	70 00 " "
Nora Murray	Typist	65 00 " "
Miriam Hall	"	65 00 " "

CHAPTER IV

CONDITION OF FUNDS

Tables 11, 12 and 13 shows the condition of the various funds necessary to the administration of the Act. Table 14 contains particulars of investments as of date December 31st, 1923.

Pension Fund

The purpose of the Pension Fund is to take care of future payments of pensions which already have been awarded. Actuarial tables, embodying the contingencies of death and remarriage, have been constructed in such manner as to show for each age and kind of pension the average amount necessary to complete pension payments. When a pension is awarded this average amount is transferred from current funds to the Pension Fund, regard being had to the year and class in which the accident occurred. All payments of pensions are made from the Pension Fund. Since the amount transferred in any one instance is the average amount required, any residue at expiry of pension payments remains in the Pension Fund.

Table 11 gives particulars of the Pension Fund for each class. The balance in the fund at the begining of 1923 was $9,986,980.43. During the year $1,877,043.93 was added in pension awards and $530,892.99 in interest. Pension payments amounting to $877,453.44 were withdrawn during 1923, leaving a balance in the Fund at the end of the year of $11,517,463.91.

The following are the awards and payments of pensions each year, beginning 1915, and the total amount to December 31st, 1923:

Year	Pension Awards	Pension Payments
1915	$349,939 33	$16,650 84
1916	730,991 06	61,121 49
1917	1,020,305 15	148,943 80
1918	1,264,250 54	226,128 20
1919	1,315,551 56	314,964 93
1920	2,966,589 72	474,093 93
1921	1,767,795 91	636,107 17
1922	1,665,872 06	753,284 61
1923	1,877,043 93	877,453 44
Totals	$12,958,339 26	$3,508,748 41

Disaster Reserve

Table 12 contains particulars of the Disaster Reserve. This is a reserve established under the authority of Section 88 (2) of the Act, and is intended to be used in case of disaster or other special circumstance, which, in the opinion of the Board, would unfairly burden the employers of any one class.

The amounts comprised in this reserve, namely, one per cent. of the gross assessments to 1923, and interest earned thereon, are the only moneys which have been set aside by the Board which do not directly cover liabilities incurred by reason of accidents which have happened already.

The amount of the Disaster Reserve at the end of 1923 was $237,826.43, being the amount in the Fund at the beginning of the year, $269,390.32, plus $15.974.83 interest and $2,461.28 additions, less $50,000, withdrawals during the year. No additions were made from receipts for 1923, it being felt that the Disaster Reserve had reached an amount sufficient to take care of any special disaster likely to happen.

Compensation Deferred

Table 13 contains the amounts of compensation awarded but where payments are deferred, except pensions. The total amount accruing during 1923 was $220,671.61, of which $49,055.00 was deferred during 1923, $163,889.17 had accrued prior to January 1, 1923, and $7,727.44 was added as interest for interest-bearing awards. Payments during 1923 amounted to $60,808.47, leaving $159,863.14 accruing December 31, 1923.

Investments

Table 14 shows the book value of the Board's investments at the beginning and end of the year and the amounts invested and returned as principal during the year, and gives a list with particulars of the investments.

The $13,674,335.63 invested at the end of the year in Schedule 1 was made up of $11,517,463.91 Pension Fund, $237,826.43 Compensation Deferred, $159,863.14 Disaster Reserve, and $1,759,182.15 Current Fund, the latter representing the amount necessary for adjustment of 1923 assessments and to complete payment of compensation and medical aid for 1923 accidents.

Particulars of each investment are shown in the list, including kind of investment, particular security, yield of interest, term, par value, and cost value.

With the exception of short-date deposits of current funds, intended for use before the current year's assessments are received, all investments consist of municipal or municipally guaranteed debentures and Dominion of Canada War Loans.

The average rate of interest received on permanent investments during 1923 was approximately 5.93 per cent., as compared with 5.75 per cent. received during 1922. Three per cent. is received on current bank balances.

TABLE 11

PENSION FUND, SCHEDULE 1 BY CLASSES, DECEMBER 31, 1923

Class	Balance at Jan. 1, 1923	Pension Awards during 1923	Interest Received	Pension Payments	Balance at Dec. 31, 1923	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	
1	1,154,813 30	194,442 60	60,857 34	99,828 49	1,310,284 75	1
2	537,791 30	157,566 00	30,015 60	47,347 12	678,025 78	2
3	151,370 90	25,606 24	7,971 37	13,429 70	171,518 81	3
4	411,393 14	64,775 21	21,585 09	34,817 28	462,936 16	4
5	1,045,481 47	200,928 97	55,773 72	88,485 70	1,213,698 46	5
6	454,204 29	69,152 00	23,712 33	40,776 99	506,291 63	6
7	481,863 47	57,031 50	24,847 60	39,124 89	524,617 68	7
8	237,821 41	54,442 00	12,846 48	22,569 46	282,540 43	8
9	565,539 14	86,154 00	29,573 07	48,913 44	632,352 77	9
10	747,565 03	57,463 13	37,812 01	58,785 33	784,054 84	10
11	435,962 56	49,430 33	22,353 49	38,254 45	469,491 93	11
12	352,213 46	132,251 00	20,269 22	35,918 51	468,815 17	12
13	282,897 43	41,528 00	14,692 78	26,867 17	312,251 04	13
14	136,738 29	18,725 93	7,105 12	11,506 33	151,063 01	14
15	428,856 92	52,476 56	22,059 66	38,697 61	464,695 53	15
16	206,550 44	68,396 00	11,734 15	17,925 66	268,754 93	16
17	287,311 50	60,352 20	15,355 59	28,334 68	334,684 61	17
18	44,833 99	4,015 00	2,279 90	3,612 80	47,516 09	18
19	150,726 26	21,837 00	7,900 44	11,173 48	169,290 22	19
20	171,558 64	44,838 23	9,424 14	15,643 81	210,177 20	20
21	152,875 77	137,956 00	10,777 92	17,913 10	283,696 59	21
22	187,323 64	21,011 20	9,645 88	14,586 28	203,394 44	22
23	352,676 39	101,192 43	19,583 55	32,873 98	440,578 39	23
24	1,008,611 69	155,472 40	52,716 54	90,067 18	1,126,733 45	24
All	9,986,980 43	1,877,043 93	530,892 99	877,453 44	11,517,463 91	

TABLE 12

DISASTER RESERVE, DECEMBER 31, 1923

Disaster Reserve as at December 31, 1922		$269,390 32
Added during 1923		2,461 28
Interest added in 1923		15,974 83
		$287,826 43
Withdrawn account Class 12	$35,000 00	
Withdrawn account Class 21	15,000 00	
		50,000 00
Amount as at December 31, 1923		$237,826 43

TABLE 13

COMPENSATION DEFERRED, DECEMBER 31, 1923

Total amount accruing, December 31, 1922		$163,889 17
Compensation deferred, 1923		49,055 00
Interest added, 1923		7,727 44
		$220,671 61
Amounts paid in 1923 on compensation deferred:		
As Principal	$52,608 81	
As Interest	8,199 66	
		60,808 47
Total amount accruing, December 31, 1923		$159,863 14

TABLE 14

INVESTMENTS, DECEMBER 31, 1923

Schedule 1

Book value of Investments, January 1, 1923	$12,578,828 38
Invested during year	2,004,909 20
	$14,583,737 58
Less Principal returned	909,401 95
Book value of Investments, December 31, 1923	$13,674,335 63

Schedule 2

Book value of Investments, January 1, 1923	$3,015,215 04
Invested during year	205,147 44
	$3,220,362 48
Less Principal returned	1,777 21
Book value of Investments, December 31, 1923	$3,218,585 27

TABLE 14—Continued

LIST OF INVESTMENTS

SCHEDULE 1 FUNDS

Municipal Debentures

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Cost Value $ c.
Amherstburg, Town of	5.50	1924–1938	21,168 92	21,878 01
Arthur, Village of	5.50	1924-1928	921 53	908 93
Arthur, Village of	5.50	1924–1930	1,721 38	1,660 11
Belleville, City of	6.25	May 15, 1941	65,000 00	63,285 59
Belleville, City of	5.35	Jan. 2, 1942	14,000 00	15,043 34
Belleville, City of	5.35	Apr. 5, 1942	13,000 00	13,984 72
Belleville, City of	5.30	May 1, 1952	120,000 00	123,508 60
Belleville, City of	5.30	1947–1949	20,000 00	19,247 03
Brampton, Town of	5.50	1924–1934	14,140 84	14,509 60
Brampton, Town of	5.50	1924–1944	2,985 30	2,734 31
Brantford, City of	6.25	Dec. 31, 1942	10,000 00	8,169 62
Brantford, City of	6.20	1924–1939	100,000 00	95,698 14
Brantford, City of	5.95	1937–1947	52,200 00	52,496 87
Brantford Industrial Realty Co., guaranteed by City of Brantford	5.50	Oct. 15, 1924	40,000 00	40,000 00
Carleton Place, Town of	5.50	1930–1941	14,659 99	14,659 99
Cobourg, Town of	5.30	Jan. 1, 1934	6,000 00	5,861 66
Cornwall, Town of	5.20	1944–1953	51,862 89	54,284 97
Creemore, Village of	5.375	1924–1934	4,469 41	4,615 81
Dundas, Town of	5.375	1924–1946	22,146 74	22,396 62
Essex, Village of	5.50	1924–1934	5,655 50	5,509 89
Fort William, City of	5.75	Feb. 1, 1944	25,000 00	22,759 19
Fort William, City of	6.40	May 1, 1950	10,000 00	9,492 72
Galt, City of	5.20	June 6, 1924	20,500 00	20,380 11
Galt, City of	5.60	Oct. 30, 1940	42,000 00	36,976 17
Galt, City of	5.65	Dec. 6, 1961	19,284 69	18,350 51
Galt, City of	5.30	1934–1943	83,374 04	86,510 89
Galt, City of	5.20	Dec. 1, 1962	68,400 36	71,813 59
Galt, City of	5.20	Dec. 1, 1962	14,135 90	16,016 95
Glencoe, Village of	6.75	1924–1940	16,364 60	14,963 68
Guelph, City of	5.18	June 22, 1935	30,000 00	28,249 03
Guelph, City of	6.00	1940–1944	13,287 11	12,544 52
Guelph, City of	5.18	June 30, 1942	75,000 00	73,406 11
Guelph, City of	5.40	Dec. 31, 1936	62,431 10	63,008 90
Guelph, City of	5.20	June 30, 1938	20,000 00	19,596 18
Hamilton, City of	5.20	Apr. 1, 1934	40,000 00	37,756 33
Hamilton, City of	5.875	1935–1937	8,740 84	8,070 08
Hamilton, City of	5.875	1935–1937	93,496 15	86,320 47
Hamilton, City of	6.00	1928–1929	24,000 00	22,999 67
Hamilton, City of	6.00	May 1, 1934	35,000 00	30,953 55
Hamilton, City of	6.05	1927–1928	82,198 33	82,054 82
Hamilton, City of	5.30	1934–1937	99,904 55	101,657 54
Hamilton, City of	5.30	1926–1931	100,784 03	101,682 96
Hamilton, City of	5.375	1924–1939	12,530 01	12,603 89
Hamilton, City of	5.875	1934–1939	101,821 65	93,573 12
Hamilton, City of	6.00	1932–1940	93,849 28	93,849 28
Hamilton, City of	6.50	Apr. 1, 1930	19,000 00	16,514 11
Hamilton, City of	5.90	1931–1941	200,237 75	202,064 46
Hamilton, City of	5.45	1937–1938	40,000 00	42,184 98
Hamilton, City of	5.50	Dec. 1, 1935	19,163 39	19,997 35
Hamilton, City of	5.50	Feb. 1, 1936	7,000 00	7,313 39
Hamilton, City of	5.50	Feb. 1, 1935	23,247 78	24,228 79
Hastings, County of	5.50	1931–1935	4,948 17	4,751 88
Hawkesbury, Town of	7.25	1928–1940	73,322 59	66,401 83
Hawkesbury, Town of	7.25	1928–1931	4,935 73	4,628 60
Hespeler, Town of	5.50	1925–1934	15,768 59	15,768 59
Kingston, City of	6.10	1935–1948	4,600 00	4,542 49
Kingston, City of	6.125	Jan. 1, 1930	50,000 00	49,689 64
Kingston, City of	6.125	1931–1945	52,400 00	51,757 41
Kingston, City of	5.30	Jan. 1, 1942	35,000 00	35,818 94

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Cost Value $ c.
Kingsville, Town of	6.625	1930–1941	44,427 40	43,933 54
Kitchener, City of	5.25	1943–1952	47,682 19	49,272 32
Kitchener, City of	5.75	1924–1934	9,706 70	9,625 40
Kitchener, City of	5.75	1924–1926	1,357 10	1,371 77
Kitchener, City of	5.25	1943–1952	28,490 34	29,444 03
Kitchener, City of	5.75	1924–1946	1,157 34	1,131 19
Kitchener, City of	6.125	1924–1932	8,627 12	8,207 62
Leamington, Town of	5.875	1924–1932	12,178 12	12,246 34
Lincoln, County of	5.50	June 10, 1936	36,000 00	36,000 00
Lincoln, County of	6.10	June 30, 1927	11,000 00	10,772 58
Lindsay, Town of	5.40	1925–1935	19,904 78	20,030 74
Listowel, Town of	5.875	1924–1947	18,098 97	17,396 05
London, City of	5.50	Aug. 3, 1939	24,000 00	20,201 94
London, City of	5.50	1937–1938	11,000 00	9,924 51
London, City of	5.40	Aug. 3, 1939	39,000 00	33,199 56
London, City of	6.55	June 30, 1942	25,000 00	18,885 82
London, City of	6.30	1932–1939	200,618 93	195,716 25
London, City of	5.85	June 30, 1942	50,000 00	41,030 89
London, City of	5.85	Jan. 1, 1944	50,000 00	45,028 01
London, City of	5.35	1940–1941	15,000 00	15,254 22
London, City of	5.40	1934–1936	28,040 29	28,285 86
London, City of	5.35	1937–1941	75,000 00	76,187 49
London, City of	5.25	1934–1940	103,623 46	106,130 37
London, City of	5.23	Aug. 3, 1937	20,000 00	17,355 59
Newmarket, Town of	5.50	1924–1926	3,775 32	3,740 22
Niagara Falls, City of	5.50	1924–1926	3,371 22	3,347 49
Niagara Falls, City of	6.25	1930–1936	33,290 44	30,378 79
Niagara Falls, City of	6.60	1938–1945	50,548 31	42,176 81
Niagara Falls, City of	6.50	1934–1941	59,553 78	56,800 17
Niagara Falls, City of	5.30	1940–1953	54,098 50	55,936 15
Niagara Falls, City of	5.30	1938–1952	16,139 50	15,521 82
North Bay, Town of	6.	1924–1942	6,529 95	6,254 80
North Bay, Town of	5.70	1937–1942	76,276 50	78,710 26
North Toronto (City of Toronto)	6.05	1935–1942	20,246 58	17,171 89
Oakville, Town of	5.50	1924–1935	5,407 49	5,558 86
Oakville, Town of	6.625	1924–1928	4,347 53	4,274 61
Oakville, Town of	6.625	1924–1932	10,441 34	10,163 12
Orillia, Town of	5.40	1926–1934	25,523 59	24,950 50
Oshawa, Town of	6.75	1924–1935	67,973 64	65,263 58
Oshawa, Town of	6.375	1945–1951	45,133 48	43,056 07
Oshawa, Town of	6.375	May 1, 1930	5,000 00	4,896 68
Oshawa, Town of	7	1927–1932	20,279 31	19,386 70
Oshawa, Town of	5.40	1930–1936	26,207 92	26,415 73
Oshawa, Town of	5.30	1938–1943	84,068 02	81,473 94
Ottawa, City of	5.05	Jan. 1, 1934	100,000 00	95,723 09
Ottawa, City of	5.50	1931–1941	39,906 66	33,863 78
Ottawa, City of	6	1924–1937	74,085 01	71,491 79
Ottawa, City of	5.25	1932–1945	118,766 39	121,881 97
Ottawa, City of	5.25	July 1, 1929	15,000 00	14,822 85
Ottawa, City of	6.12	July 1, 1939	10,800 00	8,528 51
Ottawa, City of	6.13	Jan. 9, 1933	25,000 00	22,098 30
Ottawa, City of	6.10	1937–1938	66,762 58	59,908 28
Oxford, County of	6.25	1933–1936	9,963 03	8,961 23
Owen Sound, City of	5.20	Feb. 1, 1943	25,000 00	25,912 26
Parry Sound, Town of	6.50	1931–1944	30,690 22	29,448 57
Parry Sound, Town of	7.125	1937–1950	50,235 30	44,133 71
Peel, County of	5.50	1924–1927	19,251 01	19,251 01
Penetanguishene, Town of	5.50	June 1, 1924	616 74	613 82
Penetanguishene, Town of	5.50	1924–1928	3,474 41	3,426 90
Perth, Town of	5.50	1924–1934	3,724 43	3,724 43
Perth, Town of	5.50	1924–1943	3,387 23	3,248 08
Perth, Town of	5.50	1924–1944	422 07	404 10
Perth, Town of	5.50	1924–1934	430 94	419 84
Perth, Town of	5.50	1924–1933	1,072 86	1,047 28
Peterborough, City of	5.40	Dec. 31, 1935	12,000 00	12,104 98
Peterborough, City of	5.18	June 30, 1946	50,000 00	48,812 69

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Cost Value $ c.
Peterborough, City of	6.10	Dec. 31, 1946	15,000 00	12,974 20
Peterborough, City of	6.205	June 30, 1950	155,000 00	150,893 65
Peterborough, City of	6.25	Dec. 31, 1940	50,000 00	50,000 00
Port Arthur, City of	5.75	Jan. 1, 1934	25,000 00	23,588 98
Port Arthur, City of	6.625	Jan. 1, 1942	11,193 32	9,297 02
Port Arthur, City of	6.595	June 1, 1940	100,000 00	94,022 93
Port Arthur, City of	6.80	Jan. 1, 1943	17,520 00	14,184 07
Port Arthur, City of	6.95	Jan. 1, 1932	9,246 66	7,874 16
Port Arthur, City of	7.05	July 1, 1932	7,786 66	6,778 91
Preston, Town of	6.50	1928–1937	14,760 66	13,756 34
Preston, Town of	5.30	1925–1928	5,334 70	5,434 65
Renfrew, Town of	5.75	1925–1935	9,884 49	10,028 36
Renfrew, Town of	5.85	1924–1947	10,291 17	10,427 17
Richmond Hill, Village of	5.50	1924–1944	8,446 11	8,446 11
St. Catharines, City of	5.50	July 13, 1929	25,000 00	24,348 48
St. Catharines, City of	5.385	Dec. 29, 1945	50,000 00	47,536 20
St. Catharines, City of	5.50	1925–1936	52,460 47	50,838 64
St. Catharines, City of	6.375	1924–1927	26,830 80	26,420 73
St. Catharines, City of	6.33	1924–1940	42,500 00	43,032 90
St. Catharines, City of	6.33	1924–1940	49,300 00	49,107 89
St. Catharines, City of	5.45	1934–1942	24,750 00	26,115 58
St. Marys, Town of	5.50	Oct. 31, 1943	4,870 30	4,587 64
St. Marys, Town of	5.50	Jan. 1, 1944	2,500 00	2,350 62
St. Marys, Town of	5.50	May 1, 1933	17,000 00	16,359 37
St. Thomas, City of	6.38	1937–1951	129,562 40	123,905 96
St. Thomas, City of	6.375	1938–1939	3,387 15	3,093 95
St. Thomas, City of	5.40	1934–1937	70,000 00	73,682 54
St. Thomas, City of	5.15	1949–1953	25,000 00	24,452 69
St. Thomas, City of	5.20	1934–1949	39,000 00	38,067 38
Sandwich, Town of	5.625	1925–1935	10,261 51	10,424 88
Sandwich, Town of	6.625	1928–1943	21,580 60	20,398 26
Sandwich, Town of	6.50	1938–1940	6,774 32	6,443 28
Sandwich, Town of	6.50	1931–1949	43,418 33	41,195 91
Sarnia, City of	5.40	1924–1926	3,541 45	3,515 08
Sarnia, City of	5.375	1924–1926	20,761 16	21,031 11
Sarnia, City of	6.50	1924–1937	15,378 21	14,575 66
Sarnia, City of	6.50	Dec. 31, 1924	1,190 06	1,184 22
Sarnia, City of	6.60	1932–1935	35,000 00	32,153 33
Sault Ste. Marie, City of	5.50	Mar. 25, 1949	24,771 50	26,458 90
Sault Ste. Marie, City of	6.40	Apr. 1, 1950	45,000 00	39,863 80
Sault Ste. Marie, City of	6.55	Mar. 1, 1935	100,000 00	95,604 64
Simcoe, Town of	5.50	1924–1945	14,691 60	15,226 12
Smith's Falls, Town of	5.50	1926–1944	13,457 01	13,457 01
Smith's Falls, Town of	5.50	1926–1931	10,326 48	10,326 48
Smith's Falls, Town of	5.50	1924–1946	16,982 72	17,771 80
Smith's Falls, Town of	5.50	1924–1936	1,755 84	1,808 28
Smith's Falls, Town of	5.75	1924–1937	4,649 54	4,577 27
Smith's Falls, Town of	5.75	1924–1947	14,102 97	13,774 70
Stamford, Village of	5.25	1924–1925	1,992 78	2,013 93
Stratford, City of	5.50	Jan. 1, 1934	3,000 00	2,886 93
Stratford, City of	5.50	Jan. 1, 1945	25,000 00	23,465 50
Stratford, City of	5.50	Jan. 1, 1945	15,000 00	14,079 30
Stratford, City of	5.50	Jan. 1, 1945	10,000 00	9,386 20
Stratford, City of	5.625	1925–1945	36,000 00	34,877 29
Stratford, City of	6.25	Jan. 6, 1951	40,000 00	38,703 71
Stratford, City of	5.40	Jan. 1, 1942	124,000 00	132,497 67
Stratford, City of	5.40	Jan. 1, 1942	50,000 00	50,567 93
Stratford, City of	5.40	1937–1952	83,000 00	84,030 60
Sudbury, Town of	5.75	1933–1935	25,263 80	23,851 01
Sudbury, Town of	7.00	1930–1937	32,897 38	28,073 73
Tillsonburg, Town of	5.50	Mar. 20, 1945	975 00	975 00
Tillsonburg, Town of	5.50	1924–1944	1,266 93	1,266 93
Tillsonburg, Town of	5.50	1924–1935	3,533 85	3,533 85
Tillsonburg, Town of	5.50	1924–1935	1,766 88	1,766 88
Toronto, City of	6.00	1925–1933	50,000 00	46,558 00
Toronto, City of	6.00	1927–1938	32,000 00	29,883 21

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Cost Value $ c.
Toronto, City of	6.00	July 1, 1930	28,000 00	26,511 11
Toronto, City of	6.00	July 1, 1931	30,000 00	28,209 31
Toronto, City of	6.00	1932–1937	41,000 00	39,362 42
Toronto, City of	6.00	1940–1943	60,000 00	53,457 85
Toronto, City of	5.30	1935–1937	100,000 00	101,774 81
Toronto, City of	5.30	July 1, 1948	4,866 66	4,004 32
Toronto, City of	5.25	July 1, 1942	10,000 00	9,706 37
Toronto, City of	6.25	1926–1927	31,000 00	30,377 38
Toronto, City of	6.25	1926–1927	11,000 00	10,741 73
Toronto, City of	6.25	Dec. 1, 1926	3,000 00	2,939 31
Toronto, City of	6.25	1926–1927	10,000 00	9,804 00
Toronto, City of	6.00	1937–1939	16,000 00	15,239 23
Toronto, City of	6.00	Apr. 1, 1938	4,000 00	3,808 11
Toronto, City of	6.00	1937–1938	7,000 00	6,673 85
Toronto, City of	6.08	July 1, 1948	29,200 00	21,513 57
Toronto, City of	6.08	July 1, 1945	7,000 00	6,099 67
Toronto, City of	6.08	July 1, 1948	4,000 00	3,200 18
Toronto, City of	6.05	July 1, 1948	6,326 66	4,680 62
Toronto, City of	6.05	Apr. 1, 1936	24,000 00	22,853 93
Toronto, City of	6.06	July 1, 1936	3,000 00	2,724 05
Toronto, City of	6.00	Jan. 1, 1955	19,000 00	15,009 95
Toronto, City of	6.00	1931–1937	40,000 00	38,433 07
Toronto, City of	6.44	1941–1948	269,000 00	255,311 92
Toronto, City of	6.44	1940–1948	231,000 00	219,482 98
Toronto, City of	6.20	1930–1935	200,000 00	197,281 19
Toronto, City of	6.20	1930–1939	230,000 00	226,777 71
Toronto, City of	6.20	1935–1940	50,000 00	49,106 02
Toronto, City of	6.25	June 1, 1951	100,000 00	96,736 28
Toronto, City of	6.40	June 1, 1948	59,000 00	56,100 32
Toronto, City of	6.35	1943–1944	147,000 00	141,247 67
Toronto, City of	6.35	1942–1944	53,000 00	50,975 32
Toronto, City of	6.00	1937–1940	44,000 00	41,840 83
Toronto, City of	6.00	1936–1949	61,000 00	61,000 00
Toronto, City of	6.00	1937–1947	17,000 00	16,037 40
Toronto, City of	6.00	1942–1951	52,000 00	52,000 00
Toronto, City of	6.00	1935–1940	50,000 00	47,630 76
Toronto, City of	6.00	1937–1941	28,000 00	28,000 00
Toronto, City of	6.00	1937–1939	9,000 00	9,000 00
Toronto, City of	6.00	1937–1939	7,000 00	7,000 00
Toronto, City of	6.00	1937–1939	10,000 00	10,000 00
Toronto, City of	6.00	1937–1939	14,000 00	13,329 03
Toronto, City of	6.00	1938–1939	9,000 00	8,558 10
Toronto, City of	5.50	May 1, 1932	50,000 00	51,679 38
Toronto, City of	5.40	1939–1941	150,000 00	151,632 13
Toronto, City of	5.35	Mar. 1, 1951	83,000 00	90,723 14
Toronto, City of	5.35	Jan. 1, 1951	15,000 00	16,384 35
Toronto, City of	5.56	Dec. 1 1940	175,000 00	183,397 90
Toronto, City of	5.56	Dec. 1, 1940	100,000 00	104,798 80
Toronto, City of	5.20	1940–1942	58,000 00	56,699 37
Toronto, City of	5.20	1940–1951	41,000 00	42,570 61
Toronto, City of	5.25	Apr. 1, 1951	50,000 00	48,232 40
Toronto Harbour Commissioners	5.30	Sept. 1, 1953	100,000 00	88,048 17
Toronto Harbour Commissioners	5.30	Sept. 1, 1953	200,000 00	176,096 34
Toronto Harbour Commissioners	5.30	Sept. 1, 1953	25,000 00	22,012 04
Toronto Junction, Town of (City of Toronto)	6.187	Jan. 2, 1943	33,000 00	26,308 02
Wallaceburg, Town of	5.625	1924–1930	4,935 10	5,001 65
Walkerville, Town of	6.60	1924–1942	33,168 86	31,667 74
Walkerville, Town of	6.25	1942–1948	17,531 70	15,972 72
Welland, City of	5.40	Sept. 1, 1934	25,000 00	25,205 33
Welland, City of	5.60	July 1, 1925	24,035 50	23,830 75
Welland, City of	5.40	Apr. 1, 1939	42,000 00	44,623 41
Welland, County of	5.375	Dec. 15, 1945	10,000 00	9,522 80
Weston, Town of	5.43	1924–1929	22,783 57	23,197 87
Weston, Town of	5.50	1924–1930	3,448 07	3,510 20
Whitby, Town of	5.375	1924–1946	13,695 57	13,854 40

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Cost Value $ c.
Whitby, Town of	5.375	1924–1946	3,834 09	3,880 38
Whitby, Town of	5.375	1924–1946	6,201 13	6,273 05
Windsor, City of	5.5625	1924–1935	14,623 19	14,558 16
Windsor, City of	6.50	Apr. 1, 1924	10,000 00	9,927 32
Windsor, City of	6.40	1942–1950	200,257 35	190,658 19
Windsor, City of	6.20	1929–1932	30,000 00	29,664 03
Windsor, City of	6.05	1938–1940	32,977 61	32,809 86
Windsor, City of	6.10	Sept. 15, 1941	12,337 43	12,203 75
Windsor, City of	6.05	June 1, 1940	13,000 00	12,932 75
Windsor, City of	5.32	1946–1952	110,000 00	112,745 33
Woodstock, City of	5.625	Dec. 31, 1936	7,045 32	6,328 04
Woodstock, City of	5.625	Dec. 31, 1925	6,060 97	5,935 08
Woodstock, City of	5.625	Nov. 1, 1938	10,000 00	8,880 10
Woodstock, City of	5.625	Nov. 30, 1937	6,000 00	5,357 76
Woodstock, City of	5.625	Dec. 31, 1924	1,549 79	1,533 28
York, Township of	5.40	1924–1936	25,962 86	26,108 05
			$10,316,179 42	$10,032,764 82

Other Permanent Investments

Dominion of Canada Victory Loan	5.50	Nov. 1, 1934	725,252 34	704,872 52
Dominion of Canada Victory Loan	5.50	Nov. 1, 1934	200,000 00	200,000 00
Dominion of Canada Victory Loan	5.50	Nov. 1, 1934	500,000 00	500,000 00
Dominion of Canada Victory Loan	5.91	Nov. 1, 1934	50,000 00	48,359 15
Dominion of Canada Victory Loan	5.95	Nov. 1, 1934	50,000 00	48,202 60
Dominion of Canada Victory Loan	6.26	Nov. 1, 1934	100,000 00	94,022 34
Dominion of Canada Victory Loan	6.30	Nov. 1, 1934	50,000 00	46,859 99
Dominion of Canada Victory Loan	6.315	Nov. 1, 1934	100,000 00	93,607 20
Dominion of Canada Victory Loan	6.315	Nov. 1, 1934	50,000 00	46,803 60
Dominion of Canada Victory Loan	6.065	Nov. 1, 1934	933,750 00	891,849 35
Dominion of Canada Victory Loan	6.04	Nov. 1, 1934	70,000 00	66,994 06
			$2,829,002 34	$2,741,570 81
Total Permanent Investments, Schedule 1			$13,145,181 76	$12,774,335 63

SCHEDULE 2 FUNDS

Security	Yield Rate (Per Cent.)	Term	Par Value	Cost Value
Dominion of Canada Victory Loan	5.50	Nov. 1, 1934	383,347 66	372,575 47
Dominion of Canada Victory Loan	5.50	Nov. 1, 1934	100,000 00	100,000 00
Dominion of Canada Victory Loan	5.50	Nov. 1, 1934	100,000 00	100,000 00
Dominion of Canada Victory Loan	5.91	Nov. 1, 1934	50,000 00	48,359 15
Dominion of Canada Victory Loan	5.91	Nov. 1, 1934	50,000 00	48,359 15
Dominion of Canada Victory Loan	5.91	Nov. 1, 1934	50,000 00	48,359 15
Dominion of Canada Victory Loan	6.26	Nov. 1, 1934	200,000 00	188,044 68
Dominion of Canada Victory Loan	6.26	Nov. 1, 1934	50,000 00	47,011 17
Dominion of Canada Victory Loan	6.26	Nov. 1, 1934	50,000 00	47,011 17
Dominion of Canada Victory Loan	6.26	Nov. 1, 1934	100,000 00	94,022 34
Dominion of Canada Victory Loan	6.315	Nov. 1, 1934	100,000 00	93,607 20
Dominion of Canada Victory Loan	5.99	Nov. 1, 1934	100,000 00	96,093 66
Dominion of Canada Victory Loan	5.99	Nov. 1, 1934	100,000 00	96,093 66
Dominion of Canada Victory Loan	5.925	Nov. 1, 1934	50,000 00	48,300 45
Dominion of Canada Victory Loan	6.065	Nov. 1, 1934	643,250 00	614,385 06
Dominion of Canada Victory Loan	6.04	Nov. 1, 1934	130,000 00	124,417 54
Dominion of Canada Victory Loan	6.125	Nov. 1, 1934	100,000 00	95,051 00
Dominion of Canada Victory Loan	5.40	Nov. 1, 1934	50,000 00	50,410 67
Dominion of Canada Victory Loan	5.40	Nov. 1, 1934	100,000 00	100,821 34
Dominion of Canada Victory Loan	5.10	Nov. 1, 1934	100,000 00	103,335 95

Schedule 2 Funds—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Cost Value $ c.
Toronto, City of	6.325	June 1, 1940	4,000 00	3,868 05
Toronto, City of	6.33	June 1, 1939	75,000 00	72,578 52
Toronto, City of	6.34	June 1, 1942	21,000 00	20,228 79
Toronto, City of	6.25	1937–1940	130,000 00	126,940 27
Toronto, City of	5.875	June 1, 1937	30,000 00	30,345 82
Toronto, City of	5.56	Dec. 1, 1940	100,000 00	104,798 80
Toronto, City of	5.25	1940–1943	42,000 00	45,549 72
Toronto, City of	5.25	1950–1951	50,000 00	48,425 13
Toronto Harbour Commissioners	5.70	Sept. 1, 1953	51,000 00	42,252 08
Toronto Harbour Commissioners	5.30	Sept. 1, 1953	18,000 00	15,848 67
Toronto Harbour Commissioners	5.30	Sept. 1, 1953	25,000 00	22,012 04
Toronto Harbour Commissioners	5.25	Sept. 1, 1953	141,000 00	125,112 45
Toronto Harbour Commissioners	5.25	Sept. 1, 1953	50,000 00	44,366 12
Total Permanent Investments, Schedule 2			$3,343,597 66	$3,218,585 27

SHORT DATE DEPOSITS, SCHEDULE 1

	Yield Rate (Per Cent.)		Cost Value
Canada Permanent Mortgage Corporation, Special Deposit	5.25	Withdrawable as required	$350,000 00
Central Canada Loan & Investment Company, Guaranteed Investment Receipt	5.125	Withdrawable on short notice	300,000 00
Huron & Erie Loan & Savings Company, Short Date Debenture	5.00	Withdrawable on short notice	250,000 00
Total Short Date Deposits, Schedule 1			$900,000 00

CHAPTER V

1922 OPERATIONS

The final financial statement for Schedule 1 for 1922 is given as Table 15. Tables 16 to 27 contain accident statistics for 1922, statistics for Schedule 2 and Crown industries being included. All accidents which occurred during 1922 are included, irrespective of the year in which they were reported or compensated.

Final Financial Figures, Schedule 1, 1922

Table 15 gives the final financial figures for Schedule 1 for 1922, and shows the actual results for the year, which were provisionally stated in Table 1 of the Report for 1922. The net income for the year was $4,221,470.36, and the net expenditure $4,530,382.65. The net deficit for the year was, therefore, $308,912.29, which, deducted from the balance of $1,221,204.56 from prior years, left a net balance of $912,292.27, as compared with a provisional balance of $877.527.50.

Following are the financial figures for Schedule 1 for each year of operation of the Act, and the total to the end of 1922:

Year	Income	Expenditure
1915	$1,868,983 21	$1,211,967 33
1916	2,413,879 16	2,019,179 33
1917	2,832,208 25	2,851,556 51
1918	3,392,573 62	3,333,425 59
1919	3,959,930 32	4,610,134 02
1920	5,714,447 29	5,226,715 33
1921	4,760,474 45	4,468,313 63
1922	4,221,470 36	4,530,382 65
Totals	$29,163,966 66	$28,251,674 39

Per Centum of Pay Roll Charged Schedule 1 Employers

In order to determine the average rate of assessment charged Schedule 1 employers, income must be proportioned to pay roll. The resultant ratio will express the charge, which ratio includes any balance standing to the credit of the classes at the end of the particular year dealt with. The ratios for the various years since the commencement of the Act, and the average rate over those years, are as follows:

Year	Total Pay Roll	Income	Per Centum Charged
1915	$147,602,561 67	$1,868,983 21	.0127
1916	220,839,658 19	2,413,879 16	.0109
1917	286,902,695 73	2,832,208 25	.0099
1918	310,450,067 17	3,392,573 62	.0109
1919	325,225,970 37	3,959,930 32	.0122
1920	464,589,210 57	5,714,447 29	.0123
1921	355,259,287 31	4,760,474 45	.0134
1922	391,888,235 09	4,221,470 36	.0108
All years	$2,502,757,686 10	$29,163,966 66	.0117

Deducting the balance forward at the end of 1922 of $912,292.27, the average cost rate over the eight years of operation was $1.13 for each $100 of pay roll.

Final Accident Figures, Schedule 1, 1922

Table 16 contains the number of accidents in Schedule 1 occurring in 1922 which have necessitated payment of compensation or medical aid. Complete figures, year by year, since the inception of the Act, are as follows:

Year	Temporary Disability Medical Aid Only	Temporary Disability Compensation	Permanent Disability	Death	Totals
1915	.....	7,783	1,237	219	9,239
1916	.....	13,547	2,143	281	15,971
1917	*4,267	18,468	2,297	233	25,265
1918	12,822	20,349	2,303	239	35,713
1919	11,769	18,476	2,157	227	32,629
1920	15,565	22,746	2,439	247	40,997
1921	12,136	17,861	1,723	176	31,896
1922	15,892	19,819	1,771	203	37,685
Totals	72,451	139,049	16,070	1,825	229,395

*Half year only.

Accident Frequencies, Schedule 1

A basis for the comparison of the frequency of accidents is to be found in correlating the number of accidents with the total number of full-year workers. Eliminating accidents in which medical aid only was paid, the rates for each 100 full-year workers for the different years are:

Year	Temporary Disability	Permanent Disability	Death	Totals
1915	3.63	.58	.12	4.32
1916	4.99	.79	.10	5.88
1917	5.78	.72	.07	6.57
1918	5.81	.66	.07	6.54
1919	5.81	.68	.07	6.56
1920	6.23	.67	.07	6.97
1921	6.25	.60	.05	6.90
1922	5.82	.52	.06	6.40

On the same basis of calculation, the frequency of medical aid only cases has been: 1918, 3.66; 1919, 3.70; 1920, 4.26; 1921, 4.24; and 1922, 4.67.

Statistical Distributions

Tables 17 to 27 follow the form of similar tables in previous reports, but include details of Schedule 2 and Crown as well as Schedule 1 accidents. Limitations of space preclude more extensive tabulations, but original material by classes has been retained, so that full results accruing from the Board's statistical work may be utilized to the fullest possible degree.

Month of Occurrence

Table 17 gives the month of occurrence of all accidents. The month in which the greatest number occurred during 1922 was October with 4,245, and the lowest number, 2,629, occurred in January. The greatest number of deaths, 41, were in June; the lowest month was March with 14 deaths.

Accidents According to Locality

The distribution of accidents according to county in which they occurred is contained in Table 18. In York, 10,077 accidents occurred. The next high five counties were: Temiskaming, Wentworth, Welland, Essex, and Waterloo.

Time Loss, Age, and Wage

Table 19 sets out the average age and wage of injured workers, and the total and average time loss for each class and for each category of disability. The average age for 1922 was 35.03 years, the same as for 1921. The average weekly wage for 1922 was $22.15, as compared with $25.07 for 1921. The total time loss in all temporary disability cases, exclusive of cases in which medical aid only was paid, was 489,343 days, or an average of 20.01 days; in permanent disability cases 185,344 days were lost, an average of 89.02 days, and in death cases 1,775 days were lost.

Compensation and Medical Aid Costs, Schedule 1

In Table 20 is given the total and average cost of compensation and medical aid, by classes, in Schedule 1 for each category of disability, according to the nature of the benefit.

The total cost of all accidents was $4,323,801.07, of which $3,591,921.18 was for compensation and $731,879.89 was for medical aid.

Of the $3,591,921.18 compensation costs, $1,084,367.97 was for temporary disability, $1,756,657.57 was for permanent disability, and $750,895.64 was for death.

The average cost of a temporary disability was $75.93, of which $54.71 was for compensation and $21.22 was for medical aid. The average cost of a permanent disability was $1,114.41, of which $203.05 was for temporary disability, $788.86 for permanent disability, and $122.50 for medical aid. The average cost of a death was $3,755.38, of which $13.25 was for temporary disability, $115.73 for burial expenses, $56.39 for medical aid, and $3,570.01 for death benefits. The average cost of medical aid in medical aid only cases was $5.21.

Allegiance of Injured

Table 21 shows the allegiance of injured workmen as taken from their own reports. There were 23,455 of British allegiance and 3,413 of alien allegiance. There were 1,079 Italians, 436 Polish, 333 Russians, 329 Austrians, and 312 Americans injured.

Sex and Marital Condition of Injured

Table 22 contains particulars of the sex and marital condition of workers. There were 515 females and 26,353 males injured. Of the males 15,708 were married, and of the females 58. There were 515 widowers and 42 widows. One single female was killed.

Duration of Disability

Table 23 shows the week of termination of temporary disabilities. Of a total of 24,461 cases, in 11,472 or 46.9 per cent. of cases the disability terminated in from one to two weeks; in 4,812 cases, or 19.7 per cent. of cases, in from two to three weeks. In 10 cases the disability did not terminate within a year.

Nature of Injuries

Table 24 is divided into three parts: the first part gives nature of temporary disability by classes; the second, the per cent. impairment (groups of ten per cent.) by region of body impaired in permanent disability cases; and the third part contains particulars of industrial disease cases classified by the nature of the disease.

During 1922 there were 8,256 cuts, lacerations, and punctures; 6,238 bruises, contusions, and abrasions; 2,446 sprains, strains, twistings and wrenchings; 2,332 crushing injuries; 2,325 fractures; 1,318 scalds and burns; 788 eye injuries; 249 dislocations; 111 herniae; 75 cases of concussion; 29 of internal injuries; 23 industrial diseases; and 271 cases of other injuries causing temporary disabilities.

Of the 2,082 cases of permanent disability there were 330 cases of disability exceeding ten per cent. of total earning capacity. There were 23 cases of permanent total disability.

There were 21 cases of lead poisoning and 2 of mercury poisoning causing temporary disability.

Causes of Accidents

Table 25 gives the prime cause of all accidents in 1922. Mechanical causes were responsible for 11,147 cases, or 26.06 per cent. of cases.

Blood Poisoning Cases

The number of cases, excluding cases in which medical aid only was paid, in which the seriousness of the accident was due to concurrent or subsequent infection rather than to the agency causing the wound is given in Table 26. There were 2,621 cases, or 9.7 per cent. of cases, so caused, including 19 deaths and 43 cases of permanent disability.

Death Cases

The nature of awards, the number, relationship, and residence of dependants, as well as time between injury and death, are shown in Table 27.

TABLE 15

FINAL FINANCIAL STATEMENT FOR 1922, SCHEDULE 1

BY CLASSES

Class	Income	Expenditure	Balance for 1922	Balance forward from 1921	Balance at Dec. 31, 1922	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	
1	505,514 75	592,948 11	—87,433 36	19,763 16	—67,670 20	1
2	244,697 97	254,298 44	— 9,600 47	—51,833 39	—61,433 86	2
3	67,691 59	95,755 93	—28,064 34	64,329 81	36,265 47	3
4	172,745 22	212,920 53	—40,175 31	64,076 33	23,901 02	4
5	280,084 96	282,804 52	— 2,719 56	53,038 53	50,318 97	5
6	189,459 14	237,230 44	—47,771 30	60,225 67	12,454 37	6
7	105,101 83	98,074 16	7,027 67	95,175 44	102,203 11	7
8	131,784 80	137,158 43	— 5,373 63	—25,220 74	—30,594 37	8
9	170,965 07	200,575 63	—29,610 56	44,067 45	14,456 89	9
10	223,719 41	247,011 42	—23,292 01	166,249 29	142,957 28	10
11	186,906 59	165,039 63	21,866 96	87,922 54	109,789 50	11
12	162,873 45	178,552 49	—15,679 04	47,137 02	31,457 98	12
13	94,421 87	95,983 65	— 1,561 78	3,570 64	2,008 86	13
14	54,148 70	61,892 38	— 7,743 68	22,735 74	14,992 06	14
15	185,975 22	182,579 41	3,395 81	28,837 58	32,233 39	15
16	96,979 13	143,087 77	—46,108 64	74,001 60	27,892 96	16
17	116,328 38	120,374 87	— 4,046 49	10,067 36	6,020 87	17
18	23,292 29	26,079 82	— 2,787 53	33,707 95	30,920 42	18
19	61,020 37	69,662 08	— 8,641 71	29,813 38	21,171 67	19
20	131,633 56	115,369 57	16,263 99	— 7,532 98	8,731 01	20
21	172,013 69	240,992 10	—68,978 41	93,873 04	24,894 63	21
22	94,954 78	75,929 22	19,025 56	— 3,486 39	15,539 17	22
23	235,297 14	244,171 44	— 8,874 30	91,087 86	82,213 56	23
24	513,860 45	451,890 61	61,969 84	219,597 67	281,567 51	24
	4,221,470 36	4,530,382 65	—308,912 29	1,221,204 56	912,292 27	

TABLE 15—Continued.

BY GROUPS

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Receipts and Charges: Penalties and Interest	Other Receipts and Charges: Disaster Reserve, Administration Expenses and Payments to Safety Assns.	Other Receipts and Charges: Balance from 1921	Other Receipts and Charges: Balance as at December 31, 1922
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 010	208,934 26	285,342 90	.....	.....	.....	.....
" 011	257,000 12	227,906 66	.....	.....	.....	.....
" 012	29,627 31	54,360 40	.....	.....	.....	.....
Class 1	495,561 69	567,609 96	9,953 06	25,338 15	19,763 16	−67,670 20
Group 020	189,679 91	184,729 72	.....	.....	.....	.....
" 021	22,831 78	26,180 18	.....	.....	.....	.....
" 022	31,759 47	29,902 99	.....	.....	.....	.....
Class 2	244,271 16	240,812 89	426 81	13,485 55	−51,833 39	−61,433 86
Group 030	34,126 14	62,599 60	.....	.....	.....	.....
" 031	9,920 23	7,798 09	.....	.....	.....	.....
" 032	6,923 40	7,596 12	.....	.....	.....	.....
" 033	7,928 09	13,032 31	.....	.....	.....	.....
Class 3	58,897 86	91,026 12	8,793 73	4,729 81	64,329 81	36,265 47
Group 040	96,199 18	132,143 77	.....	.....	.....	.....
" 041	21,639 86	26,920 65	.....	.....	.....	.....
" 042	19,307 42	9,780 99	.....	.....	.....	.....
" 043	6,683 18	12,464 97	.....	.....	.....	.....
" 044	18,388 18	20,531 81	.....	.....	.....	.....
Class 4	162,217 82	201,842 19	10,527 40	11,078 34	64,076 33	23,901 02
Group 050	38,366 85	39,260 53	.....	.....	.....	.....
" 051	147,949 64	145,529 25	.....	.....	.....	.....
" 052	25,024 18	22,077 33	.....	.....	.....	.....
" 053	14,502 30	19,781 30	.....	.....	.....	.....
" 054	2,398 81	1,358 41	.....	.....	.....	.....
" 055	15,384 00	9,088 58	.....	.....	.....	.....
" 056	24,125 06	36,715 77	.....	.....	.....	.....
" 057	3,942 34	711 99	.....	.....	.....	.....
Class 5	271,693 18	274,523 16	8,391 78	8,281 36	53,038 53	50,318 97
Group 060	12,631 63	14,351 12	.....	.....	.....	.....
" 061	36,279 45	33,183 73	.....	.....	.....	.....
" 062	42,257 69	44,423 03	.....	.....	.....	.....
" 063	48,784 11	82,770 29	.....	.....	.....	.....
" 064	22,531 26	23,498 22	.....	.....	.....	.....
" 065	6,570 01	5,068 07	.....	.....	.....	.....
" 066	14,180 97	19,637 08	.....	.....	.....	.....
Class 6	183,235 12	222,931 54	6,224 02	14,298 90	60,225 67	12,454 37
Group 070	52,558 58	43,071 10	.....	.....	.....	.....
" 071	23,890 94	49,073 09	.....	.....	.....	.....
" 072	595 42	356 60	.....	.....	.....	.....
Class 7	77,044 94	92,500 79	28,056 89	5,573 37	95,175 44	102,203 11

TABLE 15—Continued

Assessments and Compensation			Other Receipts and Charges.			
Group and Class	Assessments	Compensation and Medical Aid	Penalties and Interest	Disaster Reserve, Administration Expenses and Payments to Safety Assns.	Balance from 1921	Balance as at December 31, 1922
Group 080	47,517 52	47,544 93	.....	.....	.....	.....
" 081	19,494 60	19,545 76	.....	.....	.....	.....
" 082	45,256 99	54,274 90	.....	.....	.....	.....
" 083	16,152 49	7,902 01	.....	.....	.....	.....
Class 8	128,421 60	129,267 60	3,363 20	7,890 83	–25,220 74	—30,594 37
Group 090	22,827 66	22,307 10	.....	.....	.....	.....
" 091	23,997 83	33,988 08	.....	.....	.....	.....
" 092	2,878 79	13,109 87	.....	.....	.....	.....
" 093	21,285 18	27,305 91	.....	.....	.....	.....
" 094	77,420 13	75,094 24	.....	.....	.....	.....
" 095	12,185 75	16,612 46	.....	.....	.....	.....
Class 9	160,595 34	188,417 66	10,369 73	12,157 97	44,067 45	14,456 89
Group 100	21,881 63	27,376 36	.....	.....	.....	.....
" 101	53,783 17	72,634 11	.....	.....	.....	.....
" 102	22,412 74	45,332 84	.....	.....	.....	.....
" 103	48,878 01	33,510 35	.....	.....	.....	.....
" 104	17,031 30	14,668 82	.....	.....	.....	.....
" 105	18,729 78	24,324 43	.....	.....	.....	.....
" 106	14,271 09	14,262 43	.....	.....	.....	.....
" 107	4,579 15	4,794 67	.....	.....	.....	.....
Class 10	201,566 87	236,904 01	22,152 54	10,107 41	166,249 29	142,957 28
Group 110	36,655 20	45,910 74	.....	.....	.....	.....
" 111	90,338 10	73,994 12	.....	.....	.....	.....
" 112	15,754 15	13,773 52	.....	.....	.....	.....
" 113	27,517 01	21,098 84	.....	.....	.....	.....
Class 11	170,264 46	154,777 22	16,642 13	10,262 41	87,922 54	109,789 50
Group 120	53,233 78	69,411 38	.....	.....	.....	.....
" 121	49,566 88	36,378 19	.....	.....	.....	.....
" 122	22,010 25	23,103 85	.....	.....	.....	.....
" 123	10,122 30	19,946 73	.....	.....	.....	.....
" 124	20,008 01	24,753 34	.....	.....	.....	.....
Class 12	154,941 22	173,593 49	7,932 23	4,959 00	47,137 02	31,457 98
Group 130	65,936 49	50,087 93	.....	.....	.....	.....
" 131	25,374 74	42,618 61	.....	.....	.....	.....
Class 13	91,311 23	92,706 54	3,110 64	3,277 11	3,570 64	2,008 86
Group 140	50,438 43	57,733 83	.....	.....	.....	.....
Class 14	50,438 43	57,733 83	3,710 27	4,158 55	22,735 74	14,992 06
Group 150	37,853 28	31,198 18	.....	.....	.....	.....
" 151	30,566 97	34,570 05	.....	.....	.....	.....
" 152	35,101 46	20,049 52	.....	.....	.....	.....
" 153	18,378 14	32,146 41	.....	.....	.....	.....

TABLE 15—Continued

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Receipts and Charges: Penalties and Interest	Other Receipts and Charges: Disaster Reserve, Administration Expenses, and Payments to Safety Assns.	Other Receipts and Charges: Balance from 1921	Balance as at December 31, 1922
Group 154	31,249 99	37,476 24				
" 155	20,962 27	13,635 96				
" 156	3,234 13	2,566 44				
Class 15	177,346 24	171,642 80	8,628 98	10,936 61	28,837 58	32,233 39
Group 160	27,384 55	58,429 01				
" 161	4,915 34	12,255 75				
" 162	4,164 88	5,114 72				
" 163	41,697 70	49,634 28				
" 164	10,708 50	14,929 56				
Class 16	88,870 97	140,363 32	8,108 16	2,724 45	74,001 60	27,892 96
Group 170	68,914 00	69,163 28				
" 171	25,892 51	27,305 08				
" 172	17,446 97	16,119 96				
Class 17	112,253 48	112,588 32	4,074 90	7,786 55	10,067 36	6,020 87
Group 180	12,676 83	18,289 83				
" 181	5,817 15	5,494 41				
Class 18	18,493 98	23,784 24	4,798 31	2,295 58	33,707 95	30,920 42
Group 190	14,571 72	20,589 66				
" 191	21,335 61	24,693 86				
" 192	8,224 95	8,832 44				
" 193	9,735 54	9,576 87				
Class 19	53,867 82	63,692 83	7,152 55	5,969 25	29,813 38	21,171 67
Group 200	69,806 22	71,415 24				
" 201	55,274 00	40,155 09				
Class 20	125,080 22	111,570 33	6,553 34	3,799 24	−7,532 98	8,731 01
Group 210	118,753 19	201,137 39				
" 211	43,089 12	33,813 37				
Class 21	161,842 31	234,950 76	10,171 38	6,041 34	93,873 04	24,894 63
Group 220	91,496 10	66,857 05				
Class 22	91,496 10	66,857 05	3,458 68	9,072 17	−3,486 39	15,539 17
Group 230	27,367 37	30,560 25				
" 231	155,318 59	176,123 79				
" 232	41,675 86	31,491 64				
Class 23	224,361 82	238,175 68	10,935 32	5,995 76	91,087 86	82,213 56

TABLE 15—Continued

Assessments and Compensation			Other Receipts and Charges			
Group and Class	Assessments	Compensation and Medical Aid	Penalties and Interest	Disaster Reserve, Administration Expenses, and Payments to Safety Assns.	Balance from 1921	Balance as at December 31, 1922
Group 240	70,681 10	80,976 37				
" 241	20,065 87	13,081 95				
" 242	75,477 23	64,522 12				
" 243	10,655 86	13,105 64				
" 244	47,952 15	31,194 55				
" 245	37,850 07	30,164 50				
" 246	21,487 05	20,208 97				
" 247	10,051 88	26,627 96				
" 248	179,640 29	153,499 91				
" 249	6,659 28	2,146 77				
Class 24	480,520 78	435,528 74	33,339 67	16,361 87	219,597 67	281,567 51
Schedule 1	3,984,594 64	4,323,801 07	236,875 72	206,581 58	1,221,204 56	912,292 27

TABLE 16

NUMBER OF ACCIDENTS IN 1922 INVOLVING PAYMENT

Class	Temporary Disability		Permanent Disability	Death	Totals
	Medical Aid only	Compensation			
1	451	2,415	192	44	3,102
2	901	1,364	65	18	2,348
3	342	475	71	2	890
4	535	904	120	8	1,567
5	1,582	1,296	68	20	2,966
6	457	740	68	14	1,279
7	185	412	40	1	638
8	1,073	956	56	3	2,088
9	1,314	812	86	7	2,219
10	2,049	1,463	210	3	3,725
11	1,447	1,079	122	2	2,650
12	601	612	44	10	1,267
13	102	247	32	3	384
14	675	466	20	4	1,165
15	567	914	74	7	1,562
16	546	781	64	3	1,394
17	541	569	58	3	1,171
18	226	237	12	..	475
19	227	311	41	..	579
20	139	474	53	2	668
21	343	623	68	6	1,040
22	73	127	10	8	218
23	685	771	69	15	1,540
24	831	1,771	128	20	2,750
Schedule 2	.....	3,952	247	82	4,281
Crown Cases	21	690	64	40	815
Totals	15,913	24,461	2,082	325	42,781

TABLE 17

MONTH OF OCCURRENCE OF ACCIDENTS, 1922

Month of Occurrence	Temporary Disability		Permanent Disability	Death	Totals
	Medical Aid only	Compensation			
January	811	1,652	144	22	2,669
February	862	1,629	144	19	2,654
March	1,036	1,706	147	14	2,903
April	1,169	1,448	129	26	2,772
May	1,370	1,948	185	31	3,534
June	1,563	2,177	177	41	3,958
July	1,506	2,198	189	32	3,925
August	1,636	2,325	185	26	4,172
September	1,488	2,295	203	25	4,011
October	1,581	2,426	211	27	4,245
November	1,602	2,418	183	32	4,235
December	1,289	2,239	185	30	3,743
Totals	15,913	24,461	2,082	325	42,781

TABLE 18

LOCALITY OF ACCIDENTS, 1922

County or District	Temporary Disability		Permanent Disability	Death	Totals
	Medical Aid only	Compensation			
Algoma	197	833	57	16	1,103
Brant	391	407	44	2	844
Bruce	36	112	10	1	159
Carleton	195	673	59	4	931
Dufferin	6	14	2	1	23
Dundas	16	55	5	..	76
Durham	108	125	15	1	249
Elgin	94	259	19	3	375
Essex	1,224	722	88	7	2,041
Frontenac	113	161	19	5	298
Glengarry	8	27	5	..	40
Grenville	69	50	9	2	130
Grey	275	268	34	2	579
Haldimand	82	110	12	..	204
Haliburton	17	68	5	1	91
Halton	94	195	23	4	316
Hastings	142	390	31	6	569
Huron	21	106	12	3	142
Kenora	86	284	19	8	397
Kent	375	286	20	1	682
Lambton	381	404	25	5	815
Lanark	55	209	18	4	286
Leeds	169	134	11	3	317
Lennox and Addington	28	44	6	..	78
Lincoln	457	649	64	12	1,182
Manitoulin	2	64	1	..	67
Middlesex	198	784	45	5	1,032
Muskoka	45	162	14	..	221
Nipissing	71	463	18	15	567
Norfolk	37	88	7	1	133
Northumberland	35	109	14	..	158
Ontario	316	350	44	3	713
Oxford	120	184	15	1	320
Parry Sound	48	356	24	5	433
Patricia	....	....	....	..	....
Peel	45	109	13	3	170
Perth	176	377	28	6	587
Peterborough	189	328	33	3	553
Prescott	44	77	7	1	129
Prince Edward	10	20	3	..	33
Rainy River	60	191	14	5	270
Renfrew	154	360	32	7	553
Russell	43	93	9	2	147
Simcoe	361	600	41	4	1,006
Stormont	105	154	16	1	276
Sudbury	93	646	45	7	791
Temiskaming	2,031	1,551	102	28	3,712
Thunder Bay	327	878	55	34	1,294
Victoria	22	109	9	..	140
Waterloo	547	769	80	5	1,401
Welland	886	1,092	93	30	2,101
Wellington	261	397	31	5	694
Wentworth	1,238	1,762	190	10	3,200
York	3,809	5,737	481	50	10,077
Not in Ontario	1	66	6	3	76
Totals	15,913	24,461	2,082	325	42,781

TABLE 19

TIME LOSS, AVERAGE AGE, AND AVERAGE WAGE, 1922

Class	TIME LOSS*						AGE	WAGE
	Temporary Disability		Permanent Disability		Death Cases		All Cases	All Cases
	Total Days	Average Days	Total Days	Average Days	Total Days	Average Days	Average Age (Years)	Average Weekly Wage
								$ c.
1	56,513	23.40	17,259	89.89	234	05.32	33.77	16.56
2	24,332	17.84	6,118	94.12	0	0	33.35	21.00
3	8,304	17.48	4,447	62.63	0	0	36.99	18.58
4	16,951	18.75	8,809	73.41	19	02.38	36.06	18.38
5	23,346	18.01	6,131	90.16	0	0	33.44	26.64
6	14,253	19.26	5,431	79.87	5	00.36	35.05	22.04
7	7,966	19.33	4,871	121.78	4	04.00	34.47	22.26
8	17,651	18.46	3,450	61.61	20	06.67	34.99	21.02
9	15,529	19.12	6,898	80.21	143	20.43	35.96	21.09
10	23,648	16.16	10,220	48.67	8	02.67	32.14	19.51
11	17,861	16.55	6,469	53.02	129	64.50	34.83	23.11
12	11,736	19.18	4,034	91.68	169	16.90	35.34	23.72
13	5,262	21.30	2,662	83.19	0	0	36.00	24.68
14	7,004	15.03	1,239	61.95	118	29.50	35.34	21.25
15	17,272	18.90	4,699	63.50	20	02.86	33.17	20.50
16	13,801	17.67	4,802	75.03	0	0	33.60	21.46
17	9,575	16.83	4,046	69.76	6	02.00	30.60	16.02
18	4,010	16.92	1,053	87.75	....	....	28.64	13.56
19	5,426	1.745	2,387	58.22	....	....	28.59	20.01
20	11,594	24.46	6,626	125.02	0	0	38.07	21.48
21	12,890	20.69	8,126	119.50	0	0	35.61	21.67
22	2,710	21.34	1,441	144.10	35	04.38	35.94	24.79
23	16,292	21.13	7,228	104.75	93	06.20	34.83	25.23
24	37,881	21.39	15,313	119.63	0	0	37.92	25.68
Schedule 2	91,685	23.20	31,227	126.43	761	09.28	37.71	26.04
Crown...	15,851	22.97	10,358	161.84	11	00.28	35.53	25.25
All.....	489,343	20.01	185,344	89.02	1,775	5.46	35.03	22.15

*This does not include loss of man power by permanent impairment or death.

TABLE 20—TOTAL AND AVERAGE COMPENSATION AND MEDICAL AID COSTS, 1922, SCHEDULE 1, BY CLASSES

Compensation Costs

Class	Temporary Disability Cases		Permanent Disability Cases				Death Cases						All Cases	
	For Temporary Disability		For Temporary Disability		For Permanent Disability		For Temporary Disability		For Death Benefits		For Funeral Expenses			
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	159,768 32	66 16	37,201 32	193 76	148,058 00	771 14	473 53	10 76	106,075 22	2,410 80	4,832 75	109 84	456,409 14	172 16
2	71,155 26	52 17	16,168 70	248 75	80,458 00	1,237 82	0	0	25,983 00	1,443 50	2,074 00	115 22	195,838 96	135 34
3	19,490 92	41 03	9,331 96	131 44	38,268 00	538 99	0	0	8,113 00	4,056 50	250 00	125 00	75,453 88	137 69
4	48,379 88	53 52	20,617 39	171 81	74,463 00	620 53	48 76	6 10	28,370 00	3,546 25	873 25	109 16	172,752 28	167 40
5	70,262 29	54 21	17,018 22	250 27	93,849 00	1,380 13	0	0	48,139 00	2,406 95	2,431 25	121 56	231,699 76	167 41
6	48,382 62	65 38	14,684 61	215 95	59,227 00	870 99	14 17	1 01	72,680 00	5,191 43	1,611 00	115 07	196,599 40	239 17
7	14,749 95	35 80	12,083 50	302 09	45,571 00	1,139 28	7 73	7 73	3,132 00	3,132 00	103 00	103 00	75,647 18	166 99
8	46,644 17	48 79	7,933 67	141 67	28,197 00	503 52	51 22	17 07	18,013 00	6,004 33	375 00	125 00	101,214 06	99 72
9	40,185 68	49 49	17,686 71	205 66	72,248 00	840 09	297 92	42 56	25,435 00	3,633 57	850 00	121 43	156,703 31	173 15
10	63,131 60	43 15	24,083 19	114 68	88,493 00	421 40	14 29	4 76	10,282 00	3,427 33	375 00	125 00	186,379 08	111 20
11	48,268 62	44 73	15,419 59	126 39	50,384 00	412 98	450 21	225 11	5,492 00	2,746 00	250 00	125 00	120,264 42	99 97
12	36,765 30	60 07	9,898 97	224 98	32,530 99	739 34	575 07	57 51	67,573 00	6,757 30	1,000 00	100 00	148,343 33	222 74
13	23,385 85	94 68	6,864 70	214 52	34,409 00	1,075 28	0	0	17,414 00	5,804 67	375 00	125 00	82,448 55	292 37
14	24,298 60	52 14	3,140 43	157 02	5,410 00	270 50	305 64	76 41	10,634 00	2,658 50	500 00	125 00	44,288 67	90 39
15	45,768 69	50 08	11,207 31	151 45	55,138 00	745 11	66 20	9 46	31,300 00	4,471 43	750 00	107 14	144,230 20	144 95
16	43,722 66	55 98	10,926 99	170 73	52,869 33	826 08	0	0	11,119 00	3,706 33	325 00	108 33	118,962 98	140 29
17	28,958 57	50 89	9,155 59	157 86	35,375 20	609 92	14 51	4 84	19,739 00	6,579 67	375 00	125 00	93,617 87	148 60
18	10,442 79	44 06	1,870 20	155 85	3,045 00	253 75	.....	.....	.....	.....	.....	.....	15,357 99	61 68
19	20,270 15	65 18	4,886 58	119 18	26,041 00	635 15	.....	.....	.....	.....	.....	.....	51,197 73	145 45
20	22,174 17	46 78	15,544 42	293 29	48,702 00	918 91	0	0	7,212 00	3,606 00	245 00	122 50	93,877 59	177 46
21	45,285 81	72 69	21,636 36	318 18	106,971 00	1,573 10	0	0	26,964 00	4,494 00	750 00	125 00	201,607 17	289 25
22	10,246 81	80 68	3,648 32	364 83	5,750 00	575 00	106 00	13 25	39,876 00	4,984 50	1,000 00	125 00	60,627 13	418 12
23	36,807 66	47 74	23,172 66	335 84	90,301 00	1,308 71	263 72	17 58	42,676 63	2,845 11	1,775 57	118 37	194,997 24	228 07
24	105,821 60	59 75	45,413 50	354 79	121,304 16	947 69	0	0	98,491 00	4,924 55	2,373 00	118 65	373,403 26	194 58
All	1,084,367 97	54 71	359,594 89	203 05	1,397,062 68	788 86	2,688 97	13 25	724,712 85	3,570 01	23,493 82	115 73	3,591,921 18	164 82

TABLE 20—Continued

Medical Aid Costs

Class	When Medical Aid Only		In Temporary Disability Cases		In Permanent Disability Cases		In Death Cases		For All Cases	
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	4,274 75	9 48	77,651 95	32 15	26,411 79	137 56	2,862 33	65 05	111,200 82	35 85
2	5,072 55	5 63	27,665 84	20 28	11,966 04	184 09	269 50	14 97	44,973 93	19 15
3	1,989 50	5 82	8,177 85	17 22	5,350 89	75 36	54 00	27 00	15,572 24	17 50
4	2,807 10	5 25	15,283 45	16 91	10,635 16	88 63	364 20	45 53	29,089 91	18 56
5	6,427 90	4 06	24,693 57	19 05	11,276 48	165 83	425 45	21 27	42,823 40	14 44
6	2,437 90	5 33	15,811 98	21 37	7,773 21	114 31	309 05	22 08	26,332 14	20 59
7	1,119 40	6 05	7,470 35	18 13	8,184 86	204 62	79 00	79 00	16,853 61	26 42
8	4,828 55	4 50	17,665 04	18 48	5,342 65	95 40	217 30	72 43	28,053 54	13 44
9	5,776 55	4 40	15,053 67	18 54	10,379 83	120 70	504 30	72 04	31,714 35	14 29
10	9,856 75	4 81	27,551 05	18 83	12,795 13	60 93	322 00	107 33	50,524 93	13 56
11	6,881 50	4 76	17,646 24	16 35	9,805 06	80 37	180 00	90 00	34,512 80	13 02
12	3,425 70	5 70	13,996 45	22 87	7,102 51	161 42	725 50	72 55	25,250 16	19 93
13	645 40	6 33	5,762 18	23 33	3,668 41	114 64	182 00	60 67	10,257 99	26 71
14	3,016 95	4 47	8,127 30	17 44	1,767 50	88 38	533 41	133 35	13,445 16	11 54
15	3,837 05	6 77	16,909 44	18 50	5,949 41	80 40	716 70	102 39	27,412 60	17 55
16	2,665 55	4 88	12,259 92	15 70	6,124 72	95 70	350 15	116 72	21,400 34	15 35
17	3,009 50	5 56	9,668 35	16 99	6,145 60	105 96	147 00	49 00	18,970 45	16 20
18	1,354 95	6 00	5,730 40	24 18	1,340 90	111 74	.....	.....	8,426 25	17 74
19	1,518 25	6 69	6,909 15	22 22	4,067 70	99 21	.....	.....	12,495 10	21 58
20	1,001 65	7 21	8,895 60	18 77	7,740 69	146 05	54 80	27 40	17,692 74	26 49
21	2,145 45	6 25	17,579 20	28 22	13,132 34	193 12	486 60	81 10	33,343 59	32 06
22	534 30	7 32	2,633 56	20 74	2,788 66	278 87	273 40	34 18	6,229 92	28 58
23	3,583 25	5 23	22,975 51	29 80	14,899 23	215 93	1,720 45	114 70	43,178 44	28 04
24	4,663 87	5 61	34,510 98	19 49	22,300 53	174 22	650 10	32 51	62,125 48	22 59
All	82,874 32	5 21	420,629 03	21 22	216,949 30	122 50	11,427 24	56 39	731,879 89	19 42

TABLE 21

ALLEGIANCE OF INJURED WORKERS, 1922

Allegiance to	Temporary Disability	Permanent Disability	Death	Totals
Argentine	2	....	....	2
Austria	310	15	4	329
Belgium	16	1	....	17
Bulgaria	48	3	....	51
Chile	1	....	....	1
China	4	....	1	5
Czecho-Slovakia	20	....	1	21
Denmark	12	3	2	17
Finland	183	10	5	198
France	93	4	....	97
Germany	14	2	....	16
Great Britain	21,308	1,873	274	23,455
Greece	26	2	....	28
Holland	7	....	....	7
Italy	1,003	62	14	1,079
Japan	2	....	....	2
Jugo-Slavia	27	2	1	30
Lithuania	3	1	....	4
Mexico	1	....	....	1
Norway	19	5	....	24
Persia	1	....	....	1
Poland	400	28	8	436
Roumania	149	9	3	161
Russia	311	14	8	333
Spain	11	2	....	13
Sweden	50	4	1	55
Switzerland	2	1	....	3
Syria	4	....	....	4
Turkey	45	3	....	48
Ukraine	114	3	1	118
United States	275	35	2	312
Totals	24,461	2,082	325	26,868

TABLE 22
SEX AND MARITAL CONDITION OF INJURED WORKERS, 1922

Sex and Marital Condition	Temporary Disability	Permanent Disability	Death	Totals
Males—				
Married	14,251	1,272	185	15,708
Single	8,994	690	82	9,766
Widowed	446	59	10	515
Not specified	304	13	47	364
Totals	23,995	2,034	324	26,353
Females—				
Married	52	6	.....	58
Single	376	38	1	415
Widowed	38	4	.....	42
Not specified	.....	.....	.....	.....
Totals	466	48	1	515
Grand Totals	24,461	2,082	325	26,868

TABLE 23
WEEK OF TERMINATION OF TEMPORARY DISABILITIES, 1922

In	11,472	cases	the	disability	terminated	in	1 to 2	weeks after the accident.
"	4,812	"	"	"	2	"	3	" "
"	2,721	"	"	"	3	"	4	" "
"	1,628	"	"	"	4	"	5	" "
"	1,085	"	"	"	5	"	6	" "
"	709	"	"	"	6	"	7	" "
"	497	"	"	"	7	"	8	" "
"	367	"	"	"	8	"	9	" "
"	255	"	"	"	9	"	10	" "
"	157	"	"	"	10	"	11	" "
"	140	"	"	"	11	"	12	" "
"	120	"	"	"	12	"	13	" "
"	74	"	"	"	13	"	14	" "
"	65	"	"	"	14	"	15	" "
"	46	"	"	"	15	"	16	" "
"	29	"	"	"	16	"	17	" "
"	30	"	"	"	17	"	18	" "
"	45	"	"	"	18	"	19	" "
"	27	"	"	"	19	"	20	" "
"	25	"	"	"	20	"	21	" "
"	19	"	"	"	21	"	22	" "
"	15	"	"	"	22	"	23	" "
"	12	"	"	"	23	"	24	" "
"	8	"	"	"	24	"	25	" "
"	11	"	"	"	25	"	26	" "
"	4	"	"	"	26	"	27	" "
"	9	"	"	"	27	"	28	" "
"	7	"	"	"	28	"	29	" "
"	6	"	"	"	29	"	30	" "
"	7	"	"	"	30	"	31	" "
"	4	"	"	"	31	"	32	" "
"	1	"	"	"	32	"	33	" "
"	3	"	"	"	33	"	34	" "
"	8	"	"	"	34	"	35	" "
"	5	"	"	"	35	"	36	" "
"	2	"	"	"	36	"	37	" "
"	5	"	"	"	37	"	38	" "
"	21	"	"	"	38	"	52	" "
"	10	"	"	did not terminate in			52	" "

24,461 Total Cases.

TABLE 24

NATURE OF INJURIES, 1922

Temporary Disability Cases

Class.	Bruises, Contusions and Abrasions.	Cuts, Lacerations and Punctures.	Fractures.	Crushes.	Sprains, Strains, Twistings, and Wrenchings.	Scalds and Burns.	Eye Injuries.	Herniæ.	Internal Injuries.	Concussions, (brain, spine, etc.)	Dislocations.	All other injuries.	Industrial Diseases (Schedule 3).	Totals.
1	645	990	276	147	205	23	46	15	1	4	33	30	....	2,415
2	359	498	86	149	128	64	31	4	3	3	11	28	....	1,364
3	69	268	42	31	30	9	16	2	2	2	4	....	....	475
4	209	430	88	74	65	19	10	....	1	1	5	2	....	904
5	339	377	67	189	111	80	92	6	1	....	11	22	1	1,296
6	185	233	84	86	68	30	27	2	1	4	11	9	....	740
7	110	129	25	46	30	58	8	1	1	....	2	2	....	412
8	139	229	63	118	57	283	51	5	....	1	1	4	5	956
9	173	275	80	100	76	50	43	....	4	4	4	3	....	812
10	209	713	85	191	68	77	70	7	1	6	7	17	12	1,463
11	247	438	96	90	86	48	53	4	....	1	9	7	....	1,079
12	173	113	69	63	74	70	20	6	....	3	8	12	1	612
13	69	77	32	15	33	6	7	....	....	2	3	2	1	247
14	74	280	36	19	26	16	4	3	....	....	5	3	....	466
15	212	325	88	67	108	72	18	2	....	2	10	9	1	914
16	155	281	87	75	88	43	7	7	....	....	16	22	....	781
17	100	278	31	61	45	23	13	3	2	1	7	5	....	569
18	42	122	11	17	16	25	2	1	....	1	....	....	....	237
19	46	132	26	68	19	14	3	1	....	....	1	1	....	311
20	165	99	82	39	66	6	6	1	....	3	5	2	....	474
21	172	152	80	78	63	29	29	1	1	....	8	10	....	623
22	37	33	16	8	16	10	3	....	....	1	1	2	....	127
23	267	182	67	60	119	23	25	5	....	2	17	3	1	771
24	458	618	203	103	207	59	59	8	2	15	22	16	1	1,771
Schedule 2	1,367	807	425	390	544	152	125	25	8	18	42	49	....	3,952
Crown	217	177	80	48	98	29	20	2	1	1	6	11	....	690
All....	6,238	8,256	2,325	2,332	2,446	1,318	788	111	29	75	249	271	23	24,461

TABLE 24—Continued

Permanent Disability Cases

PER CENT. IMPAIRMENT OF TOTAL EARNING CAPACITY

Part of Body Affected	0.0-9.9	10.0-19.9	20.0-29.9	30.0-39.9	40.0-49.9	50.0-59.9	60.0-69.9	70.0-79.9	80.0-89.9	90.0-99.9	100.	Totals
One or more toes	30	.....	1	....	....	....	....	....	....	....	....	31
Foot	112	6	4	2	1	....	....	....	....	....	....	125
Leg	146	9	6	8	10	6	4	2	4	....	7	202
Head	18	1	1	....	1	2	....	1	....	....	3	27
Face	7	.....	....	....	....	....	....	....	....	....	....	7
Eye	80	90	5	3	1	....	....	....	....	....	6	185
Ear	10	.....	1	....	....	....	....	....	....	....	....	11
Nose	2	.....	....	....	....	....	....	....	....	....	....	2
Teeth	120	.....	....	....	....	....	....	....	....	....	....	120
Arm	93	3	5	7	8	3	8	4	....	....	1	132
Hand	62	11	10	20	....	1	....	....	....	....	....	104
Thumb and 4 fingers	.....	.....	1	....	....	....	....	....	....	....	....	1
Thumb and 3 fingers	2	1	1	2	....	....	....	....	....	....	....	6
Thumb and 2 fingers	4	3	1	....	....	....	....	....	....	....	....	8
Thumb and 1 finger	10	1	....	....	....	....	....	....	....	....	....	11
Thumb	161	1	....	....	....	....	....	....	....	....	....	162
One finger	659	.....	....	....	....	....	....	....	....	....	....	659
Two fingers	116	5	1	....	....	....	....	....	....	....	....	122
Three fingers	36	4	3	....	....	....	....	....	....	....	....	43
Four fingers	18	11	11	....	....	....	....	....	....	....	....	40
Internal organs	7	.....	1	....	1	....	....	....	....	....	1	10
All other	59	1	....	1	2	4	2	....	....	....	5	74
Totals	1,752	147	52	43	24	16	14	7	4	....	23	2,082

Industrial Diseases

Description of Disease	Temporary Disability	Permanent Disability	Death	Totals
Lead poisoning or its sequelæ	21	.....	.....	21
Mercury poisoning or its sequelæ	2	.....	.....	2
Totals	23	.....	.....	23

TABLE 25

CAUSES OF ACCIDENTS, 1922

Cause	Temp. Dis.		Perm. Dis.	Death	Totals
	Med. Aid Only.	Compensation.			
A. Prime Movers:					
1. Motors, engines, fans, pumps, and automatic stokers	62	102	16	2	182
2. Shafting, coupling, collars, set screws, and keys	22	37	11	6	76
3. Belts, lines, pulleys, chains, and sprockets	177	266	46	10	499
4. Gears, cogs, cams, and friction wheels	55	108	31	....	194
Totals	316	513	104	18	951
B. Working Machines:					
1. Brick-making machines	1	1	7	....	9
2. Glass-making machines	2	8	....	....	10
3. Pottery-making machines	....	1	....	....	1
4. Stone-working machines	....	3	....	....	3
5. Mining machines, n.e.s	27	25	5	1	58
6. Mine drills	122	92	9	....	223
7. Contracting machines	68	137	12	2	219
8. Metal-working machines, n.e.s	310	349	55	1	715
9. Abrasive wheels	1,640	213	29	....	1,882
10. Lathes	248	100	7	....	355
11. Pneumatic tools	1,361	124	14	....	1,499
12. Presses	157	324	143	....	624
13. Wire-working machines	87	25	3	....	115
14. Welding and heat-cutting machines	65	24	....	....	89
15. Wood-working machines, n.e.s	64	136	19	....	219
16. Planers, jointers, and edgers	71	176	77	1	325
17. Saws	327	653	179	5	1,164
18. Shapers, molders, and headers	68	99	25	....	192
19. Pulp and paper-making machines, n.e.s	23	24	3	....	50
20. Barkers	23	34	1	....	58
21. In-running rolls	27	109	12	1	149
22. Paper products and printing machines, n.e.s.	8	20	4	1	33
23. Cutting machines	21	17	6	....	44
24. Presses	51	100	19	....	170
25. Stayers	16	30	3	....	49
26. Tanning machines	7	28	3	....	38
27. Leather-working machines	38	45	12	....	95
28. Rubber-working machines	14	36	3	1	54
29. Textile machines, n.e.s	16	29	4	....	49
30. Carders	17	25	8	1	51
31. Pickers	8	23	4	....	35
32. Sewers	65	71	1	....	137
33. Finishers and Launderers	6	17	2	....	25
34. Knitters	18	28	....	1	47
35. Cutters	16	23	8	....	47
36. Weavers	41	49	5	....	95
37. Spinners	28	14	4	....	46
38. Food products, laboratory, and tobacco machines	33	90	18	....	141
39. Bakery machines	8	13	6	....	27
40. Bottling machines	29	19	....	....	48
Totals	5,131	3,334	710	15	9,190

TABLE 25—Continued

Cause	Temp. Dis.		Perm. Dis.	Death	Totals
	Med. Aid Only	Compensation			
C. Hoisting Apparatus:					
1. Elevators	29	73	7	4	113
2. Cranes	38	91	16	1	146
3. Conveyors	75	125	18	5	223
4. Other hoisting apparatus	122	324	60	18	524
Totals	264	613	101	28	1,006
D. Dangerous Substances:					
1. Steam escapes	48	136	2	2	188
2. Explosives	33	86	32	9	160
3. Electric Currents	28	110	....	18	156
4. Conflagrations	3	1	1	1	6
5. Hot and inflammable substances and flames	392	871	15	4	1,282
6. Corrosive substances	151	146	9	....	306
7. Poisonous substances	36	94	....	1	131
Totals	691	1,444	59	35	2,229
E. Stepping on or Striking Against Objects:					
1. Stepping on objects	280	422	2	1	705
2. Striking against objects	1,048	1,376	40	3	2,467
Totals	1,328	1,798	42	4	3,172
F. Falling Objects:					
1. Falling objects—from collapse of structures	5	29	5	4	43
2. Falling objects—from elevations	214	334	16	4	568
3. Falling objects—into excavations	4	12	3	1	20
4. Falling objects—in mines and quarries	183	286	14	5	488
5. Falling objects—other	48	303	21	16	388
Totals	454	964	59	30	1,507
G. Handling Objects:					
1. Heavy objects—loading, carrying, rolling or piling	2,237	6,052	268	13	8,570
2. Sharp objects	325	377	12	....	714
3. Hand trucks, carts, and wheelbarrows	200	497	19	....	716
Totals	2,762	6,926	299	13	10,000
H. Tools:	1,340	2,376	141	3	3,860
I. Runaways and Animals:					
1. Runaways	6	64	12	....	82
2. Animals	51	151	10	2	214
Totals	57	215	22	2	296

TABLE 25—Continued

Cause	Temp. Dis.		Perm. Dis.	Death	Totals
	Med. Aid Only	Compensation			
J. Moving Trains, Vehicles, etc.:					
1. Train wrecks	2	95	10	10	117
2. Caught in switch or hit fixed objects	1	12	1	....	14
3. Struck by or caught between cars and engines	7	111	28	48	194
4. Other causes, cars and engines	7	76	5	1	89
5. Mine and quarry cars	88	111	10	....	209
6. Automobiles and other power vehicles	87	303	32	7	429
7. Animal-drawn vehicles	23	151	11	1	186
8. Boats—power-driven	3	5	2	1	11
9. All other	....	3	....	....	3
Totals	218	867	99	68	1,252
K. Falls of Persons:					
1. Fall—from elevations	89	510	41	20	660
2. Fall—from ladders	54	291	36	4	385
3. Fall—into excavations, pits, and shafts	40	200	9	2	251
4. Fall—on level	542	2,066	77	3	2,688
5. Fall—into elevator shafts	3	6	4	....	13
6. Fall—from vehicles	53	541	35	17	646
7. Fall—from collapse of support	37	334	41	7	419
8. Fall—on steps or stairways	49	164	7	....	220
9. Fall—into tanks and vats	1	5	....	....	6
10. Fall—from tool slipping	14	98	2	1	115
Totals	882	4,215	252	54	5,403
L. All Other Causes:					
1. Flying fragments	2,272	777	161	1	3,211
2. Doors, gates, windows, and covers	95	218	21	....	334
3. Inhalation of gases, fumes, etc	53	39	....	9	101
4. Immersion in water and drenchings	2	2	....	41	45
5. Exposure to elements	17	64	6	....	87
6. Violence	20	25	....	....	45
7. Cave-ins	2	59	6	4	71
8. Not elsewhere specified	9	12	....	....	21
Totals	2,470	1,196	194	55	3,915
Grand Totals	15,913	24,461	2,082	325	42,781

TABLE 26

BLOOD-POISONING CASES, 1922

Ascribed to time of injury	263
Developed 1 day after injury	524
" 2 days " "	401
" 3 " " "	346
" 4 " " "	276
" 5 " " "	194
" 6 " " "	119
" 7 " " "	111
" 8 " " "	61
" 9 " " "	44
" 10 " " "	43
" 11 " " "	27
" 12 " " "	26
" 13 " " "	13
" 14 " " "	19
" 15 " " "	16
" 16 " " "	4
" 17 " " "	8
" 18 " " "	9
" 19 " " "	5
" 20 " " "	6
" 21 " " "	7
" 22 " " "	5
" 23 " " "	5
" 24 " " "	4
" 25 " " "	6
" 26 " " "	2
" 27 " " "	1
" 28 " " "	3
" 29 " " "	1
" 31 " " "	1
" 33 " " "	3
" 37 " " "	1
" 38 " " "	1
" 54 " " "	1
" 89 " " "	1
" 99 " " "	1
" 112 " " "	1
Immobilized joints due to infections	17
Amputations due to infections	23
Permanent eye injuries due to infections	3
Deaths due to infections	19
Total Cases of Infections	2,621

TABLE 27

DEATH CASES, 1922

Number of Cases

Pension Awards	172
Limited Pension Awards	5
Lump Sums	57
Funeral Expenses, Medical Aid only	32
Medical Aid only	1
Funeral Expenses only	58
Total	325

Number, Dependancy, Relationship and Residence of Dependants

Relationship of Dependants	Totally Dependent	Partially Dependent	Resident in Ontario	Not Resident in Ontario
Widow	169	1	157	13
Child	307	1	281	27
Mother	4	47	38	13
Foster Mother of Child	3	..	3	..
Father	....	39	28	11
Other	....	3	2	1
Totals	483	91	509	65

Time between Injury and Death

4	workmen	survived	1	day	after	accident
1	"	"	2	days	"	"
4	"	"	3	"	"	"
5	"	"	4	"	"	"
4	"	"	5	"	"	"
1	"	"	6	"	"	"
1	"	"	8	"	"	"
1	"	"	9	"	"	"
1	"	"	10	"	"	"
1	"	"	11	"	"	"
3	"	"	13	"	"	"
4	"	"	14	"	"	"
2	"	"	16	"	"	"
1	"	"	17	"	"	"
2	"	"	20	"	"	"
1	"	"	21	"	"	"
1	"	"	24	"	"	"
1	"	"	25	"	"	"
1	"	"	37	"	"	"
1	"	"	39	"	"	"
1	"	"	44	"	"	"
2	"	"	46	"	"	"
1	"	"	48	"	"	"
2	"	"	66	"	"	"
1	"	"	89	"	"	"
1	"	"	103	"	"	"
1	"	"	162	"	"	"
1	"	"	178	"	"	"
1	"	"	179	"	"	"
1	"	"	645	"	"	"

APPENDIX

The Workmen's Compensation Act
ONTARIO

Address of Chairman of Board, Discussing Principles and Merits and Practical Working of Act, to Building Association, Hamilton, March 13, 1924.

When the late Chief Justice of the Province was drafting our present Workmen's Compensation Act he said one of the justifications for this law was to get rid of the "nuisance of litigation," and to have "swift justice meted out to the great body of the men."

Administration by Board instead of Courts

The administration of the Act and the adjudication of claims was accordingly placed in the hands of a Board instead of the courts. Instead of the technical, formal, and cumbersome court procedure, the handling of cases was to be simple and speedy, and it was provided that the Board's decisions were to be upon the real merits and justice of the case and that it was not to be bound by strict legal precedent. Judges of the Supreme Court have commended the present "very practical method of dealing with the subject of compensation" as contrasted with the "litigious struggle and strife," and the "uncertainty and perplexity" resulting from over-refinement in interpretation, prevailing in the courts (S.C.R. (1923) pp. 51-54). The enormous expense and the delay and annoyance of litigation have been eliminated.

Six of the provinces and some 36 of about 46 states with workmen's compensation laws now have this form of administration.

Wider Covering for Workmen

A second crucial change made from the old law was the great widening of the workman's covering—extension of the right of compensation to all accidents arising out of and in the course of the employment, rather than merely those where the employer could be proved guilty of negligence. Injury to workmen by accident in their employment was made a charge on the industry like the repair of broken machinery, the principle now being provision for the workman rather than penalty upon the employer.

This feature of covering all accidents in the employment is now almost universal the world over. Eight of the nine provinces and 46 of the 50 or so United States have it; Great Britain had it long before it was adopted in this country. It is considered to be a matter of justice as well as humanity that industry should bear at least a part of the loss caused by accidents to workmen in their employment.

Probably more than twenty times as many workmen and dependants receive compensation now as would have received damages under the old law.

Collective instead of Individual Liability

A third fundamental change wrought by the present Act was making the liability of the employers collective rather than individual.

Instead of the employer being liable for damages or compensation when one of his workmen is injured or killed, he pays an annual tax or assessment according to the amount of his pay roll, and out of the Accident Fund so collected the Board pays compensation and medical aid. The assessment is a percentage of pay roll levied much in the same way as a municipality levies taxes, the amount being what is necessary to pay for accidents in the class of industry which the employer carries on.

The employer is thus immune from individual liability. He is, so to speak, insured against accidents to his workmen. It is better in fact than insurance, for an action at law does not lie against him at all. This is the great advantage of this system to the employer. The amount of damages or compensation awarded would often mean ruin if he was liable individually.

There is great advantage also to the workman, for he and his dependants are sure of getting their compensation even though the employer may not be financially good.

Laws in Other Places

Ontario was the first of the provinces to adopt a law embodying all the three features mentioned, namely, administration by a Board instead of the courts, covering workmen for all accidents in their employment, making the employers' liability collective instead of individual. Five other provinces have followed the example of Ontario and eight of the United States have exclusive state fund laws working out much the same way. Other laws differ in one or more of the three features mentioned. Quebec and Saskatchewan, like Great Britain, still have individual liability and adjudication in the courts. Prince Edward Island has only the old law. Most of the United States now have the wide covering and administration by a Board, but the majority have individual liability with compulsory insurance either in a state fund, where there is one, or with an ordinary insurance company, a considerable number of the states having a state fund doing business concurrently with the ordinary insurance companies.

Experience and Outstanding Features

After more than nine years' experience of our present Act I am sure from intercourse with them very few either of the employers or of the workmen would desire to return to the old system. The outstanding features in the operation of the present law are the simplicity of its provisions and procedure, the elimination of litigation and expense, wide protection for injured workmen and their dependants, immunity of the employer from individual liability, and the expeditious payment of benefits directly into the hands of the injured workman or his dependants.

Illustrations of Working

When a workman meets with an accident in his employment the case is very simply and quickly dealt with upon reports from the employer, the workman, and the doctor, two-thirds of the workman's average earnings being sent him bi-weekly while his wounds are healing, and then compensation for the permanent

injury, if it is serious, being awarded in the form of a monthly pension for life. The Board always as far as possible deals directly with the parties, and legal assistance is not necessary.

Take a workman for instance earning an average wage of $30 a week losing a leg at the knee. He would get $20 a week while the wound is healing and then a monthly pension representing two-thirds of 50 per cent. of his earning capacity, the impairment caused by loss of a leg at knee being estimated at 50 per cent. The award in such a case would be about $150 cash (to assist him in adjusting himself to his new condition) and a pension of $42.50 a month for life. The injured workman is also entitled to necessary medical, hospital, and skilled nursing services, and to an artificial limb. Medical aid is payable in all cases requiring it, and compensation wherever the disability lasts seven days or more.

In death cases the Act fixes the widow's compensation at $40 a month during widowhood with an additional $100 lump sum and $10 a month for each child while under sixteen and an allowance of $125 for burial expenses. A widow with four children, for instance, would get $80 a month. There is no expense to the parties and the $100 cheque goes out as soon as the reports are received, and the $80 a month goes regularly to the widow for herself and her children.

Contrast with Old Law

Contrast this with the old law where nothing could be recovered unless the employer could be shown to be guilty of negligence, and where a disputed case would mean a long and tedious procedure in the courts, and perhaps appeal from one court to another. Deserving cases would go uncompensated, while on the other hand an unwarranted claim by a worthless claimant might put the employer to much trouble and expense. The pension form of payment also is usually much better for the widow or crippled workman than a lump sum, the latter as everyone knows often being foolishly or improvidently used.

In an action under the old law the expense as well as the waste of time and annoyance was very great, the costs sometimes amounting to more than the amount recovered. An analysis recently made by Mr. Watson, Advising Actuary of the Ohio Commission, shows that in 58 damage suits in that State (where, unlike Ontario, there was an option of suing in the courts) less on the average was recovered than would have been paid under the Compensation Act, and only about half what the suit cost the employer actually reached the hands of the injured workman, the rest being absorbed in legal expenses. In 16 of the 58 cases the workman's claim was dismissed, which was many times as large a percentage as our Board throws out.

Three Tests

In a study of the provisions and working of the various compensation laws of the United States and Canada made by an officer of the United States Bureau of Labour Statistics, Mr. Hookstadt, three tests of the merits of compensation laws are emphasized: (1) Liberality of benefits, (2) Cost to the employers, (3) Promptness of payments.

Liberality of Benefits

Taking the three features mentioned. First, the liberality of benefits to workmen and dependants. Various factors are to be considered, and sometimes nominal provisions are very deceptive.

Ontario pays 66-2/3 per cent. of the workman's average earnings, with a maximum of $25.64 a week, and a minimum of $12.50 a week or full wages. Among the provinces with similar laws Manitoba is the only one that pays as much; British Columbia pays 62½ per cent., and the remaining provinces 55 per cent., except Quebec, where the percentage is 50 and no compensation is allowed if the workman is earning more than $1,500 a year. Ten of some 46 of the United States with compensation laws pay 66-2/3 per cent.; three, 65 per cent.; nine, 60 per cent.; three, 55 per cent.; and eighteen, 50 per cent.

These nominal percentages, however, are in most cases tremendously curtailed in three different ways. *First*, by weekly maximums. Pennsylvania, for instance, has a maximum of $12 a week, Michigan $14, Iowa $15, Ohio (now) $18.75, New York $20, California $20.83 (the highest of any of the states), Nova Scotia $12.69, New Brunswick $15.87, Alberta $21.15, and British Columbia $24.04, as compared with our $25.64 a week, which is the same as Manitoba and the largest weekly allowance anywhere. Our minimum of $12.50 a week is greater than some of the maximums.

Secondly, the period of payment is limited. A man losing an arm or a leg, for instance, is paid only for a certain number of weeks and then dropped. In Pennsylvania it is 300 weeks, in Iowa 400 weeks, and in Michigan 500 weeks. Ontario pays a pension for life. And in death cases also many of the states instead of paying the widow for life or during widowhood as we do pay her only for a limited number of weeks: in Pennsylvania, Iowa, and Michigan 300 weeks, and Ohio 416 weeks, and then the payments cease.

Thirdly, many of the states and some of the provinces have a maximum total which cannot be exceeded. For instance, in Ohio no more than $6,500 in all can be paid in a death case, in Massachusetts only $4,000, Illinois $4,250, and New Hampshire $3,000, while ours can run as high as $11,000 and over. Similarly in permanent partial disability cases, for instance loss of an arm or leg, the maximum totals in the different states run from $1,500 to $5,000. A man losing an arm or a leg in Ohio for instance can never get more than a total of $3,750, in New York $3,500, Massachusetts $4,000, and New Brunswick $2,500, while our maximum may run as high as $20,000 or over. Even in permanent total disability cases most of the United States have maximums running from $3,000 to $10,000, and the maximum in Quebec is $3,000, while in Ontario the present worth of a pension sometimes amounts to over $20,000, and the total payments may run to over twice that amount.

To illustrate, for loss of arm Pennsylvania would pay $2,580, Michigan $2,700, Iowa $3,037, Ohio $3,555, New York and Wisconsin $4,080, and Ontario $9,073.

I think it is well both employers and workmen should know and appreciate these facts. Mr. Hookstadt sums up the situation in the United States as follows: "It is undoubtedly true that under no State compensation law does the employer bear 50 per cent. of the cost of industrial accidents and in most states he bears but 20 to 35 per cent." In short the allowances in most of the United States are in many ways pitifully meagre.

The Provinces of Canada in general have more liberal benefits than most of the United States, inasmuch especially as widows are paid during widowhood and serious permanent disabilities paid for life. Manitoba has the same percentage as we have but its allowances to widows and children are only $30 and $7.50 respectively, as compared with our $40 and $10 a month. Nova

Scotia and New Brunswick pay $30 and $7.50, and Alberta and British Columbia pay $35 and $7.50, though in British Columbia there is a special provision for increase.

Great Britain recently increased its weekly maximum compensation from £1 to 30 shillings a week and its maximum total from £300 to £600.

In regard to medical aid, only eight or ten of the 46 states pay full medical aid, the others limiting either the period or the amount, or both. All the provinces except Nova Scotia provide full medical aid, Nova Scotia still having a limit of one month, though in Alberta and British Columbia the workmen contribute.

Another factor in estimating the liberality of compensation laws is the manner of interpretation. Though endeavouring carefully to avoid imposition, and to be consistent and just to both parties in its decisions, the Ontario Board has always tried to give the Act a liberal and non-technical interpretation, and this I believe is what employers as well as workmen would wish. Many cases are allowed which would not be allowed in an ordinary court. The late Chief Justice when drafting the Act expressed himself as "shocked" by some of the cases in England where workmen failed to recover, though as he said the court decisions might from a legal point of view be technically sound.

For instance, a workman injured while dusting a machine, as he thought in his employer's interest, but which it was not really his duty to dust, was refused compensation; so a workman whose duty required him to proceed from one place to another and who was hurt while taking a ride on his master's cart instead of walking; similarly a workman who was sent to a certain post office to get a postal order and being unable to get one there was hurt while proceeding to another post office to get one; a boy employed contrary to the child labour law used to be refused compensation because not legally an employee; and for years the English courts denied compensation to workmen injured while performing occasional duties on the streets (e.g., slipping on a banana peel when sent on a message) because exposed to only the same risk as the general public.

All such cases have always been allowed in Ontario. The merits of the case must always govern, but when a man meets injury or death in his employment the matter should not be dealt with in any narrow or niggard spirit.

Another important factor is the absolute security of payments under the collective liability system. Recovery from individual employers is often impossible.

Upon the question of liberality of benefits the Ontario Act easily stands first among the laws of the continent, and this fact has not been recognized as it should be. It is something of which the Province may well feel proud.

Cost to Employers

Dealing with the second of Mr. Hookstadt's tests, cost to employers. From the foregoing it would naturally be expected that Ontario employers would be paying more than employers in the United States. This is far from the fact. In reality they are in most cases paying a great deal less. The reason of this is illustrated by the fact that in order to pay $35,000,000 benefits to workmen in Pennsylvania the employers there were assessed $80,000,000 in premiums—that is to say, in Pennsylvania it cost 124 per cent. of the amount

of benefits for administration expenses, profits, and overhead charges, while in Ontario the cost is only about 4 per cent.

Following is a comparison of a few of the rates of assessment:

	Ont. (1924)	Ohio	Michigan	New York
Planing Mills	$1 50	$1 70	$2 65	$4 33
Steel Works	1 50	1 40	3 66	4 94
Milling	1 20	1 30	1 95	2 77
Masonry	1 50	1 80	3 80	7 19

It may be mentioned that Ohio, whose rates, compared with the compensation it pays, are the lowest of the three states, has what is practically an exclusive state fund law, working out much in the same way as our collective liability system.

The reason for so many of the United States continuing their enormously expensive and wasteful system is doubtless the fear so many people have of extravagance and looseness and even favoritism or worse in public administration of any business or utility. The enormous taxes of the present day give good cause for such dread, and probably no institution is more open to abuse than The Workmen's Compensation Act. Efficiency and integrity, and a determination to do what is believed to be right whatever the consequences, are indispensable. Administration expenses of similar institutions sometimes exceed the benefits paid. While expenditures in other matters have been running riot our expenses and our rates of assessment have not materially increased. Taxes are not usually popular but I doubt if any tax is paid with less complaint than the Board's assessments.

In the Ontario system and that of the other provinces which have adopted it, the administering body, unlike the insurance companies which figure so largely in the handling of compensation in most of the United States, conducts the business at cost, and has no motive to give the workman or his dependants less than they are entitled to receive and no motive to charge the employer more than he should pay. Properly administered this system should be the best and most satisfactory for both parties.

In the matter of compensation costs I think the employers of Ontario can at least feel that they are getting value for their money. I know of no place where so large a fraction of what the employers pay goes into the hands of the beneficiaries.

Promptness in Payments

The last of the three headings is promptness in payments of compensation, and I am inclined to put it as almost the most important of the three features mentioned. Nothing conduces more to the satisfaction of the beneficiaries. It is an old adage that "He gives twice who gives quickly," and the money is generally badly needed in these times of high costs and scarcity of employment.

Speedy handling of claims depends upon the co-operation of four parties—the employer, the workman, the doctor, and the Board. The workman should tell his employer at once of his accident, the employer should lose no time in reporting it to the Board, the doctor's report should be promptly given, and the Board when the reports are in should not delay consideration and payment.

Here again Mr. Hookstadt's investigation will be useful for comparison. In the statistics he compiled for a number of administrations he found that the average (or median) time elapsing between accident and first payment was

40 days. In Ontario a recent test showed the time here to be 27 days, being in fact only 13 days after the earliest date upon which the first bi-weekly payment would fall due. These figures as compared with an average period of two years and five months which it took in 58 Ohio law suits to dispose of the case seem an exceedingly good record, but it is always desired if possible to cut the period down.

First it must be said that of the four parties upon whom celerity depends the workman and the doctor are usually the most dilatory. The employers upon the whole have been fairly prompt, but a certain proportion of delinquent cases spoils the average, and employers in Ontario are a little behind the average record as shown by Mr. Hookstadt, Mr. Hookstadt's average being ten days, while in Ontario it took employers an average of 11 days to make the necessary report.

Mr. Hookstadt found that it took an average period of nine days after reports are complete for the administering body to send the first cheque. Ontario's average is two days, and this is the best that Mr. Hookstadt shows.

The problem of still further cutting down the time between accident and payment, therefore, is almost entirely a matter of getting prompter reports from employer, workman, and doctor. Sympathetic co-operation in this respect is earnestly requested.

What the Act Is Accomplishing

The Act is an exceedingly beneficent one. It brings relief and assistance to many thousands of injured workmen and widows and children throughout the province who would otherwise be in need. More than 100,000 people, including workmen's families, receive from the Board some part of their maintenance each year. About 450,000 workmen are under the protection of the Act.

During 1923 the Board handled over 61,000 accidents and awarded over $6,000,000 in benefits. Since the commencement of the Act nearly 400,000 accidents have been dealt with and nearly $41,000,000 awarded in benefits. Over 200 new accidents are reported to the Board every day. Over 4,000 pieces of mail are received and dispatched each day, and about 600 cheques are issued daily. In addition to compensation, some 60,000 medical, hospital, and nursing accounts are dealt with annually, and to provide the necessary money for compensation and medical aid assessments have to be collected from some 22,000 employers.

Co-operation of Employers and Workmen

To handle so vast a volume of work with the efficiency and dispatch its nature calls for, is a very heavy task. For what has been accomplished gratitude is due for the assistance and support given and the spirit of co-operation shown by both workmen and employers and their organizations and representatives; and they are the two parties directly concerned.

Cases of Difficulty

With so much money and so many persons to deal with—adjudicating what some are to receive and others are to pay—some complaints are inevitable, though they are an exceedingly small percentage of the cases dealt with. Benefits

not too liberal for an honest case nevertheless are a motive for exploitation by a few who would over-reach, though as I have often said I believe the average workman is at least as honest as any class in the community. Employers, however, more often complain of overpayment to workmen and doctors and of malingering than they do of the amount of their assessments. Allegations of malingering I am sure are much exaggerated but I am not blind to the fact that the greatest care is necessary to prevent imposition. In this the Board must largely depend upon the employer and the attending doctor for proper oversight and care and candor in their reports.

A more difficult thing to deal with is what is sometimes referred to as "compensation neurosis." Some claimants let their minds so run to the desire for compensation that they persuade themselves they have disabilities, and in these cases the sympathy and assistance of others, usually persons supposed to have influence, is often enlisted to press the claim. To encourage this attitude is the worst service that can be done such a claimant, but we often in such cases get very insistent and sometimes very imperative letters from various quarters. Dr. Albee, Chairman of the Rehabilitation Commission of New Jersey, and one of the most eminent orthopaedic surgeons on the continent, in a very interesting lecture in Toronto some time ago pointed out the harm that was done by politicians, lawyers, and doctors in supporting and encouraging, and sometimes misrepresenting, such claims.

The pressure and importunity that is directed against the Board in these and other cases which it is not felt can honestly be paid is the most serious difficulty in the administration of the Act. It is hard sometimes to get even well-meaning people to realize that compensation is a matter of right and not a matter of charity, and that it cannot be granted as a favour or from motives of expediency.

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Ontario Department of Agriculture

REPORT

OF THE

Ontario Veterinary College

1923

PRINTED BY ORDER OF

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To His Honour HENRY COCKSHUTT,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

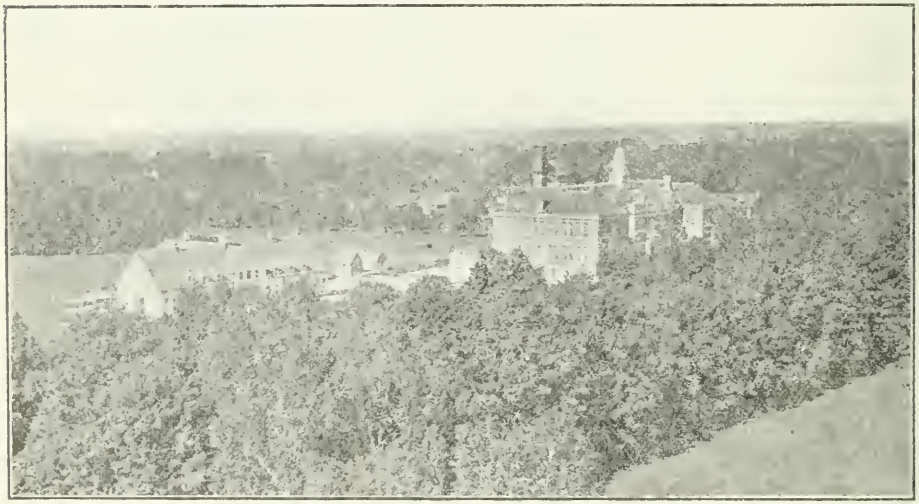
I have the pleasure to present herewith for the consideration of Your Honour the Report of the Ontario Veterinary College for the year 1923.

Respectfully submitted,

JOHN S. MARTIN,
Minister of Agriculture.

TORONTO, 1924.

ONTARIO VETERINARY COLLEGE, GUELPH
Front View of the Main Building



ONTARIO VETERINARY COLLEGE, GUELPH
Birdseye View of the Buildings and Grounds

REPORT OF THE
ONTARIO VETERINARY COLLEGE

This year is marked by the official opening of the new college at Guelph which took place on December 12th, 1922. The Hon. Manning W. Doherty, then Minister of Agriculture, and Dr. C. D. McGilvray, Principal of the College, officiated and formally declared the new building open. Among those present who delivered addresses were the late Dr. J. G. Rutherford, C.M.G., of the Board of Railway Commissioners; Hon. George S. Henry, former Minister of Agriculture; Captain C. H. Buckland, M.P.P. for South Wellington; W. B. Roadhouse, Deputy Minister of Agriculture; Dr. F. Torrance, Veterinary Director-General; F. Howard, Esq., Mayor of Guelph; Professor R. Harcourt, Ontario Agricultural College; Colonel Robert McEwen, London; and Dr. F. C. Grenside, Guelph.

The transfer of the college to Guelph has provided facilities more adaptable to the requirements of the course in veterinary science. It has enabled more attention being given to research and investigational work. Appended is a summary of the essential features concerning the college.

Attendance.

For the last session, which ended April 30th, a total of 82 students were in attendance, of which 15 were in the first year class, 11 in the second year class, 22 in the third year class and 34 in the senior or graduating class. Of the senior class 33 were successful in passing the final examination, and were graduated with the Degree of Bachelor of Veterinary Science (B.V.Sc.), conferred by the University of Toronto. During the present session which commenced on October 1st, 1923, a total of 70 students have been enrolled, of which 15 are in the first year class, 13 in the second year class, 15 in the third year class and 27 in the senior or graduating class. Unfortunately the general depression and financial stringency prevented several students from enrolling this session.

The Teaching Staff.

The adjustments in the personnel of the teaching staff effected last year have been continued. Owing to additional research and investigational work being undertaken it was found necessary to provide further assistance to enable the Departments of Bacteriology and Pathology to give sufficient time and attention to certain experiments. Towards this end negotiations were entered into with Dr. F. Torrance, Veterinary Director-General, and the college was fortunate in getting him to accept a position on the teaching staff. He graduated in arts and veterinary science from McGill University. He was appointed Veterinary Director-General for Canada in 1912, and continued in that position until the present year when he resigned.

The personnel of the college staff and their respective departments are as follows:

C. D. McGilvray, M.D.V., D.V.Sc., Principal: Contagious Diseases, Sanitary Service.
J. N. Pringle, M.R.C.V.S., B.V.Sc.: Sporadic Diseases, Dentistry.
R. A. McIntosh, M.D.V.: Diseases of Cattle, Obstetrics, Pharmacy, Therapeutics.
W. J. R. Fowler, V.S., B.V.Sc.: Surgery, Lameness, Materia Medica.
H. D. Nelson, B.V.Sc., D.V.Sc.: Anatomy.
R. Gwatkin, B.V.Sc., D.V.Sc.: Bacteriology, Milk Hygiene.
H. E. Batt, V.S., B.V.Sc.: Zoology, Histology, Meat Hygiene.
F. W. Schofield, B.V.Sc., D.V.Sc.: Pathology, Parasitology.
F. Torrance, B.A., D.V.Sc.: Physiology, Hygiene.
F. C. Grenside, V.S.: Horsemanship.
J. G. Harvey, V.S., B.V.Sc.: Canine and Feline Diseases.
G. A. Drew, Jurisprudence.
A. L. Shepherd, Executive Clerk.

The departments of the Ontario Agricultural College give instruction in the subjects of chemistry, animal husbandry, botany, English, civics and economics.

Respectfully submitted,

C. D. McGilvray,

Principal.

THE COURSE OF STUDY AND INSTRUCTION.

With the removal of the college to Guelph the course has been modified in some respects. Arrangements were made whereby veterinary students now receive instruction from the staff of the Ontario Agricultural College in the subjects of English, chemistry, botany, animal husbandry, civics and economics. In return agricultural students will receive instruction from the staff of the Veterinary College in the subjects of anatomy, materia medica, obstetrics and diseases of animals. In keeping with the modification of the course of study and instruction a revised outline of the curriculum was prepared and a new calendar issued which shows a marked advance and improvement in the general education now being offered to students in veterinary science. An earnest effort has also been made to improve the facilities for clinical instruction. In this regard the location at Guelph affords a larger variety of cases for treatment and presents a better opportunity to study diseases of farm animals. The subjects of instruction are briefly outlined under the following headings.

Zoology.

The course in zoology is given to first year students and furnishes a knowledge of anatomical development as it occurs throughout the animal kingdom from the simple unicellular forms of animal life up to the highly developed mammals. Emphasis is placed upon those lower forms that produce or spread disease or which are parasitic within or upon the bodies of domestic animals. The student is made familiar with the general structure of the animal body, and with the methods of classification into the different branches, families and species. The instruction in zoology is preparatory and co-related with the courses in embryology, histology, comparative anatomy and parasitology.

Embryology and Histology.

This is a combined lecture and laboratory course for first and second year students. During the first year about one hundred hours is devoted to embryology and introductory histology. In the second year about one hundred hours is devoted to general histology and laboratory technique.

The subjects are treated in such a manner as to provide a curriculum which traces the development of the different tissues in the embryo and gives a comprehensive knowledge of the microscopic anatomy of the tissues and organs in the adult animal body. Each student is provided with a modern high power microscope with which instrument a careful examination of the various tissues is made. The methods of preparing, staining and mounting tissues for microscopic study are also demonstrated. This work is carried out systematically in the laboratory and to such an extent as may be necessary to enable each one to acquire the complete technique.

Comparative Anatomy.

The course of instruction is commenced during the first year and continues throughout the second year. Instruction is conducted daily by lectures, recitations supplemented by extended laboratory demonstrations, and dissection periods. The course embraces the gross structure of the animal body and is designed to furnish a knowledge of animal form. Special attention is given to the occurrence of deviations in structure inclining to defects, faulty conformation

and to abnormal conditions liable to cause unsoundness or to impair usefulness. For convenience of study and description the horse may be taken as the type and comparisons are made and deviations described where they exist in cattle, sheep, swine and dogs.

Advanced work in regional anatomy is given to senior students, emphasizing the structures encountered in practical surgery.

Animal Husbandry.

An intensive course of instruction is given embracing types and breeds of farm animals, principles of breeding, feeds and feeding, live stock judging. A representative collection of stock is available for demonstration purposes including Clydesdale and Percheron horses; Shorthorn, Aberdeen Angus, Hereford, Holstein-Friesian, Ayrshire and Jersey cattle; Leicester, Shropshire, Oxford, Cotswold, Lincoln, Hampshire, Southdown and Dorset sheep; Yorkshire, Tamworth, Berkshire, Duroc Jersey, Poland China and Chester White swine. The course of training is covered by a series of fifty lectures and fifty practical exercises given each year to the first and second year students.

Composition, Public Speaking and Journalism.

The courses in composition, public speaking and journalism are intended to have both a practical value and a cultural value. They aim primarily to teach students to express their ideas clearly and convincingly, both in speech and in writing. They aim also to stimulate thought and to develop the power to think clearly and accurately. Through this training in self-expression the student learns to known his own capabilities, and a sane self-confidence is thus developed. The ultimate aim of the courses is to so equip graduates that they may more adequately take their proper places of influence in the communities in which they may be situated.

Civics and Economics.

The course is designed with special reference to the importance of the live stock industry and the veterinary profession in our civic and economic organization. This is exemplified in the work of the government employed, municipal or practising veterinarian in public service. The object is to enable the under-graduate and veterinary surgeons of the future more adequately to realize and perform the services, and to render the leadership which the community expects of them. The course is provided for second year students.

Chemistry.

A combined lecture and laboratory course in chemistry is given to the first and second year students. It includes a study of the general principles of inorganic chemistry, illustrated by reference to some of the better known elements and compounds. Also a study of the more important classes of organic compounds. It is designed as a preparation for the courses in pharmacy, materia medica, biochemistry and physiology and to show the application of chemistry to agriculture and other industries.

Physiology.

The course in physiology is given to second and third year students and embraces the study of life and living things, more particularly the functions and actions of living beings. The course of instruction is arranged in two

parts consisting of general physiology and special physiology. The study is commenced by introductory lectures bearing on the functions of the cells and tissues in general, followed by a description of the functions and activities of the special organs and various tissues of the higher mammals. The subject is a very important one and emphasis is placed on the comparative physiology of the domestic animals in its relationship to veterinary science, and of the ductless glands to the well-being of farm animals.

Botany.

A special lecture and laboratory course of instruction in botany adapted to veterinary requirements is given to first and second year students under the following outline.

Principles of Botany:—A general course on the principles of botany, illustrated as far as possible from food and fodder plants and other economic forms; also elementary work on the classification of plants sufficient to enable the student to identify poisonous plants.

Poisonous Plants:—Between the first and second years, students are requested to make a collection of twenty-five plants, as many of these as possible to be poisonous plants. This collection and those in the Department to form the basis for a study of the poisonous plants of Canada and the United States. A short special course will also be given on the identification of injurious weed seeds in feeding stuffs.

Pharmacy.

Instruction in pharmacy is imparted through lectures and by practical laboratory exercises. It is designed to make the student practically familiar with various pharmaceutical processes and preparations, and to give him a working knowledge of the dispensing of medicines. It includes the study of the pharmacopœia, and the application of pharmacy to meet the requirements of the practising veterinarian.

Materia Medica and Therapeutics.

The course in materia medica and therapeutics is designed to furnish a knowledge of drugs and other therapeutic agents used to relieve pain and to prevent and rationally treat disease in animals. An introductory course is given second year students leading up to more advanced studies which will be continued during the third and fourth years. The lectures are supplemented by laboratory work in the dispensary and hospital of the college so as to afford practical experience in the proper administration of drugs, the application of therapeutic agents and their effects in the treatment of animals.

Diseases of Cattle, Sheep and Swine.

A course of instruction arranged for second year students dealing chiefly with diseases which are not contagious as affecting cattle, sheep and swine. A selection is made of the prevailing diseases and ailments occurring among each species. The peculiarities of each species are carefully explained, so that the student becomes familiar with the diseases to which each is most liable on account of their mode of living, anatomical and physiological variations. The different diseases are studied as to their etiology, symtomatology, physical diagnosis, prognosis, preventive measures and the application of therapeutic remedies most suitable to each are discussed and demonstrated as far as possible.

Miscellaneous Diseases:—This embraces a number of internal parasitic diseases, plant and forage poisoning, chemical poisoning, heat-stroke, diseases of the skin, and a few diseases of doubtful origin. The lectures and clinical demonstrations are co-ordinated to afford definite training in the art of diagnosis, clinical observance, proper administration of medicines, methods of restraint and handling, general care and management of sick animals.

Obstetrics and Breeding Hygiene.

The course in obstetrics and breeding hygiene has a special significance, as diseases and abnormalities affecting breeding animals and their young materially interfere with the successful reproduction and rearing of live stock. For that reason the course of instruction and training is given in a manner to meet the essential requirements of professional usefulness. This is provided by means of lectures, practical demonstrations, clinical observations and applied treatment of cases in the college infirmary. Special features of the subject are illustrated by the use of lantern slides and models. A close connection with the histological, pathological and bacteriological departments affords the student every facility to become thoroughly familiar with the details of each case through laboratory channels and technical application in the fullest sense. Special consideration is given to sterility in breeding animals interfering with herd efficiency and to diseases of young animals and means of lessening mortality among them.

Special Therapeutics.

This consists of twenty-five lectures and recitations dealing with prevailing diseases of live stock and for which special remedies may be employed for their prevention and treatment. The nature, causes, symptoms and pathology of various prevailing diseases are discussed, the general indications for their prevention and treatment are pointed out, the essential elements of treatment explained and the various therapeutic agents preferred.

Special reference is made to the most recent advances in mechanical means, biological products such as vaccines and serums, pharmaceutic preparations, made use of for the preventive and curative treatment of disease.

Diseases of the Horse.

The course of instruction in sporadic diseases of the horse deals with all maladies which are considered to be non-infectious. The lectures and clinical training commence in the second year and are continued throughout the third and fourth years. The subjects taken up each year, while distinct, are nevertheless complementary to each other. Each subject is discussed in a systematic manner covering the diseases of the various systems in turn. The different diseases are studied as to their nature, causes, symptoms, physical diagnosis, prognosis, prevention and treatment. The lectures are supplemented throughout by frequent recitations and clinical demonstrations.

Animal Dentistry.

The course in animal dentistry deals with all diseases and irregularities of the teeth of domestic animals as well as injuries and diseases of the mouth and jaws. Instruction is given by lectures, recitations and practical demonstrations. The college museum contains a fine collection of specimens which are used for illustration purposes in the classroom.

Canine and Feline Practice.

A special course of lectures and practice is given dealing with dogs, their breeds and breeding, bench judging, kennel management and hygiene, principles and practice of canine and feline medicine and surgery.

Practical demonstrations are given showing the different breeds. The standards of points as laid down by the different specialty clubs are given and animals judged according to these standards.

Surgery.

The course in surgery is conducted by a series of lectures, recitations and clinical demonstrations. The lecture course is commenced during the third year and continues throughout the fourth year. The clinical demonstrations will be available for all classes. Senior students are required to assist at operations, to attend to patients, to take the history of each case and make out reports as required. The surgical amphitheatre is provided with all modern conveniences and equipment, including operating tables, restraining stocks, instruments and drugs. General and local anæsthetics are used in all operations, and students are taught by precept and example to relieve pain where possible in animals.

Bacteriology.

An introductory course in bacteriology is given to the second year students in which the general importance of bacteria in nature is discussed. To the third and fourth year students a graded course is given, dealing especially with the bacteriological control of communicable diseases of animals. The problems of immunity, laboratory diagnostic methods, and the preparation of biological products are fully described in lectures, supplemented by recitations and an extensive laboratory course.

Pathology.

The course in pathology is given to third and fourth year students by means of lectures, laboratory exercises, and clinical instruction. The subject is an important one as it deals with the alterations which occur in the body tissues when these become diseased. The nature and causes of these changes are thoroughly studied both in the gross form with the unaided eye and in their minute detail with the aid of a microscope. The object desired in the teaching of pathology is to enable the student to interpret and correctly differentiate the manifestations of the diseases most commonly encountered in general practice and in the routine work of meat inspection. Special attention is given to the technique of post mortem examinations.

Parasitology.

The course in parasitology is intended to give the student a comprehensive idea of the relationship that exists between animal parasites and disease. The rapidly increasing knowledge of parasitic infestations causing disease and losses among farm animals indicates the necessity for an intensive study of the subject. In planning the work due consideration is given to the needs of the general practitioner as well as those entering the government service as investigators in the field or for food inspection.

Infectious and Contagious Diseases of Animals.

To the third and fourth year students a course of fifty lectures is given each year on infections and contagious diseases of animals in keeping with the most recent discoveries and advances in veterinary sanitary science. The various diseases are dealt with as exhaustively as possible, and particular consideration is devoted to their nature, prevalence, causes, dissemination, symptoms, methods of diagnosis by the various approved tests, and the best measures for their prevention and suppression.

The lectures are illustrated by means of lantern slides showing animals affected with the different diseases and supplemented as far as possible by recitations and practical demonstrations.

Meat Hygiene.

The course in meat hygiene is designed to provide the future graduate with a training and knowledge in sanitary science relating to the procurement of clean, wholesome foods, their value to public health, and the dangers which threaten those consuming diseased or unsound food. Many towns and municipalities are realizing that the public attitude is becoming more sensitive against wasteful, unclean food and the demand is becoming more insistent for wholesome, clean food of all kinds. The government of Canada and the United States maintain a large complement of trained official veterinarians to supervise the hygienic production of meat and meat-food products at the large abattoirs and packing plants. This official supervision is indispensable for the establishment and maintenance of domestic and export trade between Canada, Great Britain and the United States.

Milk Hygiene.

This is taken up in the fourth year, as at that time the student can apply his earlier studies to the subject, and obtain the maximum of benefit from the course. It is planned as far as possible along the lines of sanitary control of milk production, employing only such tests as are necessary, and discussing milk and milk production from various angles. Special attention is given to the sanitary requirements of municipal milk ordinances, and the relationship of milk-borne diseases to the public health is emphasized.

The general control of milk supplies is taken up including development of city milk supplies, laws and regulations for control of milk, transportation, and regulations concerning sale and delivery.

Dairy farm inspection is discussed in detail, taking into consideration the stable; cows, examination for cleanliness and symptoms of disease; stable practices; milk-houses; utensils and their proper care; water supply; score card ratings.

Veterinary Jurisprudence.

The course in jurisprudence is designed to give some knowledge of the laws which chiefly affect veterinary surgeons and live stock owners, such as purchase and warranty of animals, railway transportation regulations, property in animals, live stock contracts relating to the sale of animals, and the liability of owners of animals. Consideration is also given to federal acts and regulations generally, but the general intention of the lectures is to give such information as is applicable in any legal jurisdiction.

Sanitary Service Regulations.

The course in sanitary service regulations deals with the official veterinary inspection and certification of live stock and of meats and meat-food products, and is covered by a series of twenty-five lectures and recitations to senior students under the following headings:—

1. *"The Animal Contagious Diseases Act and Regulations relating to Quarantine and Control of Disease."*

The Act is thoroughly studied relating to the duties of owners of animals, the duties of veterinary surgeons, the duties of inspectors and others, together with the various regulations and the methods adopted for the detection, prevention, control and eradication of contagious diseases as well as those governing the importation and exportation of live stock in order to ensure the highest possible standards of animal health.

2. *"The Meat and Canned Foods Act and Regulations."*

The Act respecting the inspection of meats and canned foods is first fully considered as to its scope and application for the requirements of domestic and foreign trade.

The preparation, process of manufacture and packing of meat-food products, the official marking of carcasses, containers and receptacles, the certification of meats and meat-food products, all of which is essential for the encouragement and continued development of domestic and foreign trade in these commodities.

Veterinary Hygiene.

A special course of twenty lectures is given to the fourth year dealing with the hygienic care and management of animals in health or disease, and other kindred subjects.

Water—Its sources and collection, its relation to the various farm products, its examination and purification.

Air—Its composition, humidity, and relation to infection.

Ventilation—For various styles of barns and outbuildings, methods of measuring the efficiency of, amounts of air required, and discussion of the various systems.

Buildings—Site, general construction, light, drainage and sewage disposal.

Feeds—With special reference to composition, wholesomeness, and comparison of the animal and plant body.

Soil—Its pollution and regeneration, soil infection and soil-borne diseases.

Disinfection—General principles of disinfection, methods of disinfecting stables, live stock cars, stockyards, wells, cisterns.

Horsemanship.

A special course of lectures and demonstrations is given to senior students, relating to a study of practical horse subjects, embracing a comprehensive study of the conformation of the horse. The attributes of the various types of horses used for different purposes. Stable management, hygiene, practical dietetics, bitting, action, shoeing, hereditary unsoundness. The examination of horses for soundness.

Clinical Diagnostics.

This is essentially a course of training in the art of examining animals for disease and prescribing treatment.

The training is commenced in the first year and continued throughout each term until graduation. Descriptive lectures are given on selected cases, supplemented by demonstrations as to the proper methods of examining animals for sickness, so that the student may be able to arrive at a correct diagnosis and extend reasonably scientific treatment. Students of the third and fourth years are required to examine patients and make detailed reports as to the nature of the disease, causes, symptoms and treatment.

Research and Investigational Work.

Considerable research work has been carried on during the year by members of the staff in the laboratories of the College and by actual investigations on farms. These observations, while of a technical nature and highly scientific, have a practical value and application beyond what is generally realized. This is evidenced in letters received from time to time from veterinary surgeons and owners of live stock throughout the Province who have received benefit. An extension service has been created by means of which veterinarians and owners of animals can have specimens sent to the college for laboratory examination and receive a definite report on the findings. This is a field of service which offers immense possibilities and should prove of great value. Some special research and investigational work has been commenced relating to diseases of poultry, and to diseases of cattle, sheep and pigs.

It is hoped to get the following work carried out as far as possible during the next year:—

1. Publication of a bulletin on Diseases of Poultry.
2. Routine examination of diseased birds to determine the prevailing diseases.
3. A study of the gross and histological anatomy of the fowl.
4. A study of chickenpox, diphtheria, roup and canker as to their occurrence, prevention and treatment.
5. A study of bacterium pullorum infection in adult birds and white scours in chickens.
6. A study of the internal parasites affecting poultry.
7. A study of blackhead and white diarrhœa.
8. Publication of a bulletin on Infectious Abortion of Cattle.
9. An extension service relating to Contagious Abortion of Cattle.
10. A wider application of the Agglutination Test for Abortion.

The experiments and investigational work conducted by each department is described under their respective headings.

CLINICAL DEPARTMENT.

The work of this department embraces the applied branches of medicine and surgery. Instruction is imparted to the students by regular lectures and clinical demonstrations. Animals brought to the college are carefully examined after which treatment is prescribed and operations are performed as may appear

advisable. This gives rise to a great deal of routine and investigational work in the case of hospital patients.

The combined Subcutaneous, Ophthalmic and Intradermal Tuberculin tests were applied to 195 head of cattle. The results of this test were very interesting having in view the history of the animals to the effect that they had previously successfully passed the Subcutaneous Tuberculin test. The combined test revealed the following results—53 gave positive reactions; 12 were suspicious and 130 were negative. Of the positive and suspicious cases 51 showed lesions of the disease on post mortem while 14 showed no discernible lesions. During the year field investigations were conducted relating to outbreaks of enzootic pig pneumonia, stomach worms in sheep, hemorrhagic septicemia in cattle and sheep. Much time was also devoted to the treatment of sterility in cows. Many of these cases were sent to the college by prominent breeders throughout the Province. As a result of the treatment a considerable number of valuable pure-bred cows have been restored to breeding usefulness. The different clinical cases used for instructional purposes are outlined in a detailed report submitted by R. A. McIntosh, M.D.V., of which the following is a synopsis.

Horse Clinics.

Number of Animals	Nature of Case	Remarks
40	Lameness	Treatment recommended as required.
5	Verrucose Dermatitis	Surgical and medicinal treatment applied.
3	Simple Dermatitis	Medicinal treatment applied.
1	Scratches	" " "
2	Wound Infection	Antiseptic " "
1	Edema	Medicinal " "
1	Navel Ill	Medicinal and biologic treatment.
1	Intestinal Parasites	Medicinal treatment recommended.
1	Pelvic Abscess	Surgical and antiseptic treatment.
2	Tumors	" " "
2	Lymphangitis	Medicinal treatment.
1	Nail Prick	Surgical and medicinal treatment.
1	Canker of the Foot	" " "
1	Bursatti	" " "
2	Capped Hock	" " "
4	Poll Evil	Surgical and antiseptic "
2	Hydrocele	" " "
3	Serous Sac	" " "
4	Fistulous Withers	" " "
1	Shoe Boil	" " "
1	Hernia	" " "
2	Castration	" " "
1	Cryptorchid	" " "
1	Coccygeal Necrosis	" " "
2	Roaring	" " "
1	Quarter Crack	" " "
2	String-halt	" " "
1	Paraphymosis	" " "
1	Forage Poisoning	Medicinal and biologic treatment.
1	Anemia	Animal was destroyed.
30	Teeth Irregularities	Surgically dealt with.
123		

Sheep Clinics.

Number of Animals	Nature of Case	Remarks
90	Stomach Worms	Medicinal treatment successful.
1	Pneumonia	Post mortem examination made.
1	Liver Disease	" " "
2	Arthritis	Treatment advised.
3	Dystokia	Manual assistance successful.
1	Unbilical Hernia	Surgical operation performed.
98		

Cattle Clinics.

Number of Animals	Nature of Case	Remarks
196	Tuberculosis	Submitted to Subcutaneous, Intradermal and Ophthalmic Tuberculin tests: 54 animals reacted and post mortemed; 12 were doubtful; 130 were negative.
4	Indigestion	Animals recovered with medicinal treatment.
4	Retained Placenta	Placenta removed successfully.
4	Mammitis	Animals recovered with general treatment.
41	Sterility	Four were pregnant, the others were treated.
2	Dystokia	Manual assistance successful.
2	Impotency	Treatment resulted in improvement.
1	Rupture of Diaphragm	Animal used for dissection.
1	Septic Metritis	Treatment unsuccessful.
1	Acute Septicemia	" "
1	Infectious Diarrhœa	" "
1	Teat Obstruction	Not treated.
1	Pyemia	Animal used for dissection.
1	Periostitis	Medicinal applications advised.
1	Ringworm	" " "
1	Urethral Calculi	Surgical operation successful.
2	Tumors	" " "
1	Nephritis	General treatment.
1	Milk Fever	Udder inflation, successful.
1	Peritonitis	Not available for treatment.
2	Castration	Surgical operation.
10	Dehorning	Horns removed with dehorning shears.
1	Downer	Post mortem examination revealed rupture of the diaphragm.
1	White Heifer Disease	Post mortem examination revealed malformed genital organs.
1	Chronic Enteritis	Post mortem examination was made.
1	Pyometra	Post mortem examination was made, and revealed septic metritis.
1	Tuberculosis	Post mortem examination revealed generalized tuberculosis.
2	Septic Peritonitis	Post mortem examination was made.
1	Uterine Hemorrhage	" " "
1	Pyemia	" " "
1	Blackleg	" " "
1	Septicemia	" " "
280		

Swine Clinics.

Number of Animals	Nature of Case	Remarks
4	Scrotal Hernia	Remedied by surgical operation.
2	Epilepsy	Medicinal treatment successful.
3	Castration	Surgical operation.
4	Necrotic Stomatitis	Used for post mortem examination.
31	Pneumonia	Medicinal treatment advised.
1	Serous Sac	Remedied by surgical operation.
1	Heat exhaustion	Used for post mortem examination.
46		

Poultry, Dog and Cat Clinics.

Number of Animals	Nature of Case	Remarks
6	Poultry Caponizing	Surgical operation.
2	" Impaction of Crop	" "
2	" Limberneck	Medicinal and biologic treatment.
3	" Leg Weakness	" " "
6	" Roup	Medicinal treatment.
2	Intestinal Parasites in Dog	" "
3	Distemper in Dog	" "
4	Otitis in Dog	" "
1	Corneal Opacity in Dog	" "
1	Conjunctival Tumors in Dog	Surgical treatment.
3	Caudal Amputation "	" "
1	Papilloma "	" "
2	Umbilical Hernia "	" "
19	Ovariotomy "	" "
1	Rheumatism "	Medicinal treatment.
2	Goitre "	" "
1	Chorea "	" "
1	Constipation "	" "
4	Eczema "	" "
1	Gastritis "	" "
1	Black Tongue "	" "
1	Toxemia "	" "
2	Fistula "	Surgical treatment.
1	Trimming "	" "
1	Enlarged Clitoris "	" "
3	Ovaritomy in Cat	" "
2	Castration "	" "
2	Parasites "	Medicinal treatment.
2	Ottorrhea "	" "
1	Conjunctivitis in Cat	" "
1	Injury to Spine "	Humanely destroyed.
82		

Recapitulation of Clinics.

The following summary shows the number of clinics held during the college session and the kind of animals.

Horses	Cattle	Sheep	Swine	Poultry	Dogs	Cats	Total
123	280	98	46	19	52	11	629

DEPARTMENTS OF HISTOLOGY AND APPLIED PATHOLOGY.

The work of these departments embraces instruction of the students by lectures and laboratory exercises in Zoology, Embryology, Histology and Meat Hygiene. A great deal of laboratory routine work is conducted in the mounting and staining of microscopic slides showing various tissues in health and disease. An effort is also made to furnish a laboratory service to veterinarians and live stock owners whereby they may receive advice and assistance in the diagnosis of prevailing diseases among animals. Many have availed themselves of this service and its scope of usefulness is increasing. During the year a large number of specimens from diseased animals were examined and reports of the findings were furnished to those concerned. The different cases dealt with are indicated in a special report submitted by H. E. Batt, B.V.Sc. of which the following is a synopsis.

Nature of Case	Cattle	Sheep	Horses	Swine	Dogs	Rabbits	Fox	Fowl
Tuberculosis	87							
Tumors	10		4	3	8	2		19
Pneumonia	7	2		10	1			5
Parasites		10	2	6	1		4	30
Plant Poisoning	5	4		4				
Sweet Clover Disease	10							
Necrotic Stomatitis				9				
Intestinal Diseases	3	4		1	5			
Abscess	1	1	1	1				5
Joint Ill			4					
Peritonitis			1	2				
Nephritis					1			
Rabies Suspected					1			
Goitre		1			1			
Meningitis			1					
Actinomycosis	1							
Tissue from Operations			10					
Roup								35
Paralysis								6
Contagious Epithelioma								11
Ruptured Oviduct								11
Avian Septicemia								5
Botulism								4
Gleet								5
Lukemia								4
Blackhead								3
Avian Diphtheria								2
Miscellaneous	10	4	16	4				17
Total	134	26	39	40	18	2	4	162

DEPARTMENTS OF PATHOLOGY AND PARASITOLOGY.

The work of these departments has been arranged so that the lectures and laboratory exercises are correlated. The laboratory course has been greatly improved by the preparation of numerous microscopical slides of diseased tissue. Over two thousand five hundred slides have been prepared representing a variety of pathological conditions. This collection will be constantly added to as suitable tissue becomes available. An extension service is also being maintained whereby veterinary surgeons and owners of animals may forward diseased specimens to the college for examination and diagnosis and receive a

definite report as to the findings. During the year further investigations were made into the losses occurring among cattle from the feeding of mouldy sweet clover. Definite experiments have been conducted and are embodied in a special report. The more recent findings might be summarized as follows:

That some moulds when growing on sweet clover appear to be very much more toxic than others.

That the annual variety of sweet clover is quite as toxic as the biennial when mouldy.

That the age of the plant does not seem to affect the development of powerful toxins.

That mouldy alfalfa and mouldy red clover failed to produce the typical lesions which can be produced by mouldy sweet clover when fed experimentally to rabbits.

That timothy hay when mouldy also failed to produce any disease when fed to rabbits while the same mould when grown on sweet clover rendered the latter highly poisonous to rabbits.

That with sweet clover inoculated with pure cultures of mould a disease almost identical with that which occurs in cattle has been produced. A mixture of moulds and bacteria gave a perfect reproduction of the disease as it occurs naturally.

The following recommendations are suggested as prophylactic measures in avoiding losses.

That it is advisable in the growing of sweet clover to sow only scarified seed and to sow heavily, not less than twenty pounds to the acre. This will promote a heavy stand and the stalks will be finer, lessening the danger of mould, as mould develops most readily on coarse stalks.

That sweet clover for feed should be cut early, the most suitable time being when the crop is in bud.

That sweet clover hay should be cured in large coils and never stacked or placed in the mow or loft when wet.

That salt added to the clover at the time of stacking in the proportion of about fifty pounds to the ton seems to be beneficial in preserving the hay.

That sweet clover hay should be protected from moisture which during the winter months may arise in stuffy damp cow stables and is liable to condense on the fodder in the hay mow or loft. This is an important precaution in the prevention of mould.

That in the case of ensilage, harmful mould will not develop so readily if the sweet clover is free from woody fibre, ensiled soon after mown, and is finely cut and thoroughly tramped in the silo. Exclusion of air from the silo means freedom from mould and freedom from mould means freedom from disease.

That in the case of mould becoming evident the hay should be fed sparingly and only to mature cattle and horses, as young cattle are more susceptible to the poisonous effects of the mould.

That the presence of mould should always be regarded as a danger signal and as soon as ill effects follow the feeding of the suspected hay or silage it should be discontinued.

From time to time requests have been received to investigate unusual diseases occurring on farms in different parts of the Province. Reports of these investigations have been furnished by F. W. Schofield, D.V.Sc. and are submitted under appendices numbers 1 to 6 to this report.

BACTERIOLOGICAL DEPARTMENT.

This department, in addition to the lectures and laboratory course of instruction in bacteriology to students, has conducted a great amount of routine and research work. During the year the following routine examinations of specimens were made and reports of the findings furnished to those concerned:

Blood Serum Examinations—A total of 132 blood samples from cows were examined for evidence of infectious abortion by the agglutination test, of which 51 were positive in reaction; four were doubtful and 77 were negative.

Bacteriological Examinations—A total of 144 specimens were examined by bacteriological methods.

The following is a summary of specimens examined:

Disease	Horses	Cattle	Sheep	Swine	Poultry	Dogs	Miscellaneous
Erysipelas	2						5 samples of water.
Lymphangitis	1						7 samples of milk.
Malignant Edema	1						
Abscesses	13						
Eczema	2						
Albuminurea	2						10 samples of urine, faeces, etc.
Abortion		138					
Tuberculosis		10					
Blackleg		2					
Hemorrhagic Septicemia		3	2		4		
Forage Poisoning		5					
Metritis		8					
Mastitis		1					
Pneumonia		2	1	14			
Foot Rot		1					
Necrotic Sore Mouth				4			
Canker and Roup					21		
Diphtheria					4		
General Infections					11		
Distemper						1	
Suspected Rabies						1	
Total	21	170	3	18	40	2	22

The department has also completed a series of check experiments on the diagnosis of infectious abortion, also a number of experiments relating to diseases of poultry, namely, roup and canker, and to determine the value of vaccination in controlling chicken-pox.

Reports of these experiments are fully described in a series of articles by Ronald Gwatkin, D.V.Sc. and are submitted under appendices numbers 7 to 14 to this report.

APPENDIX No. 1

DAMAGED SWEET CLOVER; THE CAUSE OF A NEW DISEASE IN CATTLE SIMULATING HAEMORRHAGIC SEPTICAEMIA AND BLACKLEG.

Among many agricultural communities in North America an erstwhile noxious weed—sweet clover, has within a decade become recognized as a farm crop of remarkable value. The very general success of the crop has resulted in a tremendous increase in the acreage sown to sweet clover. In districts where the cultivation of corn for ensilage was threatened by the corn-borer sweet clover has been introduced as a substitute. On light gravelly soil where other crops frequently perished sweet clover was found to prosper. It is both chemically and physically beneficial to the soil, and in comparison with corn is more economical and convenient to handle in the production of ensilage. Under such circumstances the rumour that sweet clover ensilage and hay was responsible for the death of cattle in widely separated districts of the Province of Ontario was a matter of much concern to the farmers and resulted in an immediate investigation by the Department of Agriculture through the Veterinary College.

Historical Note.

During the winter months of 1921-22 many occurrences of a somewhat mysterious disease of cattle were reported to the college by local veterinarians. The early age of the animals attacked combined with the peculiar location of the subcutaneous swellings frequently resulted in an erroneous diagnosis of blackleg. When post mortem examinations were made the discovery of numerous large and small haemorrhages sometimes led to the verdict of haemorrhagic septicaemia. Animals, which were apparently quite healthy, were reported as dying within a few hours after the operation of dehorning. A careful enquiry elicited the fact that in every case sweet clover had been included in the diet of the deceased animals. Because of its excellence as a general description of the disease mention must be made of an unpublished report which was kindly prepared for the writer by James Brown, B.V.Sc., Markham, Ontario.

Symptoms.

At least two types of the disease are recognizable, viz.: (1) The Acute or Haemorrhagic; (2) The Sub-acute or Anaemic.

Symptoms of the Acute Type. The disease is often so sudden in its onset that the first indication of an outbreak is revealed by the carcase of a victim. On the other hand well marked and characteristic symptoms may be present. These are, rapid pulse, blanching of the visible mucous membranes and the presence of subcutaneous swellings. The animal is usually dull, standing quietly in the stall, and will often continue to take a little food until a short time before death. The temperature is not elevated but may be subnormal. When made to walk a stiffness in the movements is discernible. Constipation is common, and impaction of the rumen has been reported. Slight bloating before death commonly occurs, while after death the whole carcase rapidly

becomes distended with gas. In fatal cases the animal becomes weaker, the pulse markedly accelerated, the visible mucous membranes very white, while the swellings may increase in size and number. The animals, in most cases, die quietly and in such a natural position that the fact of death may not be realized until some time after this has occurred. Occasionally posterior paralysis or cerebral symptoms are seen. In cases which go on to recovery the colour gradually returns to the mucous membrane, the pulse becomes fuller and stronger and the animal looks brighter and eats more heartily. The swellings pass away slowly. Death in this type of the disease is almost always the direct result of haemorrhage. In many cases the haemorrhage is exclusively internal, no exterior evidence being apparent. In such cases the diagnosis is facilitated by estimating the haemoglobin content and the clotting time of the blood.

The Nature of the Swellings. The value of these lesions in making a differential diagnosis is of sufficient importance to warrant special consideration. A typical swelling contains no gas, is not hot, only slightly painful, and has no tendency to either suppurate or slough. These facts taken in conjunction with the rapidity of their formation indicate the non-inflammatory nature of the lesions. The swellings may either pit on pressure or fluctuate depending upon the rapidity with which they have formed. Most of the swellings contain either coagulated or uncoagulated blood. Some are, however, purely edematous. They vary greatly in size, the smallest being scarcely perceptible while the largest may measure several feet in circumference with an elevation of many inches. They may appear on any part of the body but occur with greatest frequency along the back on either side of the vertebral column.

The Sub-acute or Anaemic Type. There is a possibility of misleading the reader by the use of the word "sub-acute." In this type the death rate may be high but the disease is never so explosive as in the acute form. All cases cannot be classified under these two heads yet the majority conform quite definitely to one or the other of these types. It is impossible to give any constant symptoms for this form of the disease, as up to the present time the diagnosis has always been made at the same time as the post mortem. It is more than probable that in many cases no symptoms of disease could be detected even though a careful examination were made before death. Included here are the cases of death following dehorning, parturition, and simple operations. In all of these cases the blood has been altered in at least one very important way, that of a delay in the clotting time. Animals suffering from the sub-acute form of the disease die within a few hours after dehorning. Such animals bleed to death, due to the failure of the blood to coagulate. Out of a total number of twenty-two animals distributed among five different groups, and all being fed upon damaged sweet clover hay, twenty-one died following the operation of dehorning. Some interesting cases of the anaemic type were discovered by a farmer who, following the traditions of the elders, cut a slice of skin and cartilage from the ears of all his yearling cattle and then retired for the night. This was to have had the mysterious effect of a blood tonic. The application of ligatures on the following morning saved his cattle from immediate death, but due to a continuation of the feed they all succumbed to the haemorrhagic type within a few weeks. This form of the disease has been reproduced in rabbits where the clotting time of the blood was greatly delayed, the haemoglobin reduced, and the red blood cells badly damaged. A diagnosis can best be made by an examination of the blood.

Morbid Anatomy.

The Acute Type. The subcutaneous vessels are usually collapsed and contain a little pale blood. The swellings are either purely haemorrhagic or partly edematous. When the latter are incised serum flows freely. Large and small haemorrhages occur with great frequency. The muscles are pale. The healthy looking flesh and sweet smell of the carcase do not suggest infection. The abdominal cavity usually contains much fluid and sometimes blood, clotted or free. Sub-peritoneal haemorrhages are very numerous and vary in size from mere petechiae to extensive suffusions, both in the visceral and parietal peritoneum. The rumen is usually covered with subserous haemorrhages. Ecchymoses are frequent in the small intestine.

Liver. Diagnostic punctate haemorrhages are almost always found in this organ. They appear as small circular black spots below the capsule. Pale areas of degeneration can usually be found.

Kidney. To the naked eye the appearance is normal.

Spleen. No visible change.

Lymph Glands. In most cases these are edematous. In an area where there is extensive sero-sanguineous exudate, the lymph glands may be greatly enlarged and the efferent vessels engorged with amber-coloured lymph.

Diaphragm. Extensive haemorrhages are usually present.

Lungs. Small haemorrhages often occur in the parenchyma and under the pleura.

Heart. In every case ecchymoses have been observed beneath the endocardium. These are very pronounced in the left ventricle.

The Anaemic Type. Only one case has been examined by the writer, that of a calf which died following the operation of dehorning. The superficial veins were empty. The abdominal viscera were normal save for marked edema in the wall of the abomasum and slight edema in the mesentery. Some lymph glands were edematous. The abdominal cavity contained about 500 c.c. of clear fluid. There were well marked sub-endocardial haemorrhages. Veterinarians report that in this type of the disease the total quantity of blood is much reduced.

Mortality.

The death rate is always high. The figures given here represent eleven outbreaks only, as accurate data on mortality could not always be obtained. In eighty-three cases of the disease there were seventeen recoveries, giving a death rate of 79.4 per cent. Most of the recoveries were among old animals.

Differential Diagnosis.

The disease under consideration is frequently mistaken for haemorrhagic septicemia and symptomatic anthrax. The following table enumerates the points of difference between these somewhat similar diseases.

	Disease Investigated	Blackleg	Haemorrhagic Septicemia
Local lesions (swellings)	Non-inflammatory. No gas.	Inflammatory and emphysematous.	Inflammatory and painful.
Temperature.	Normal or subnormal.	Elevated.	Elevated.
Respirations.	Slightly increased.	Very rapid.	Very rapid.
General appearance.	Frequently normal till a few hours before death.	Acutely sick.	Acutely sick.
Visible mucous membranes.	Blanched.	Injected.	Injected.
The Blood.	Pale and little tendency to clot.	Dark and coagulates readily.	Normal in colour and coagulates.
The Liver.	Shot with dark punctate haemorrhages (acute type).	No marked change.	No marked change.
The swellings.	Sero-sanguineous with the surrounding muscles pale. No odour.	Emphysematous, with the muscles dirty brown or blackish.	Sero-sanguineous, surrounding muscles normal.
Lymph Glands.	Normal or edematous.	Inflamed.	Inflamed.
Organisms.	None present.	Bacillus chauveaui.	Bacillus bovi septicus

It should be remembered that haemorrhagic septicemia and blackleg are not stable diseases, but pasture diseases. The feeding of damaged sweet clover will naturally arouse suspicion.

Treatment.

The most valuable method of controlling the haemorrhage when the ordinary mechanical means cannot be employed is the injection of freshly drawn blood serum. The animals should be given plenty of water and laxative diet such as bran mash. It is of great importance to keep the animals quiet, as anything that causes excitement increases blood pressure and tends to facilitate haemorrhage.

Predisposing Causes.

Age. Young animals are highly susceptible while the aged are markedly immune. This is well demonstrated in the Beeton outbreak. The animals were receiving damaged ensilage in quantities proportionate to their body weight.

	Total Number	Deaths
Animals between the ages of 6 months and 1 year..	5	3
" " " 1 year and 2 years....	31	16
" over 2 years of age.....	22	0

In one case a calf was born which within a few hours after birth developed typical symptoms and died, while the mother remained well. In another case an aborted calf showed well-marked lesions, the mother remaining perfectly healthy.

Obesity. The remark that "the best animals in the herd have died" was commonly made by the owners. This can most likely be accounted for by the fact that the fattest animals were the heartiest feeders and best assimilators.

Unusual Exertion. There is quite a little evidence that excitement and severe exertion help to precipitate the disease.

Susceptible Animals.

Information on this point is at present very limited. Cattle are highly susceptible. Paulman reports losses among sheep and a fatal case in a horse. The latter animal has considerable resistance, no cases having occurred in the outbreaks observed by the writer. Rabbits are very susceptible.

Some Unusual Manifestations of the Disease.

Apart from the typical forms of the disease already described damaged sweet clover has been responsible for several cases of persistent and fatal post partum haemorrhage, abortion, and extensive edema. Haemorrhage into the eye has caused blindness and cerebral haemorrhage paralysis.

Etiology.

There is no longer any doubt in the minds of those who have had experience with this disease that it is always associated with the feeding of sweet clover. The point of dispute is, the way in which sweet clover is responsible for the disease. In considering this problem, at least three possible ways suggest themselves. They will be briefly considered.

A.—Is sweet clover injurious because of a poisonous principle in the plant? In his book on poisonous plants Pammel makes the following statement in regard to the sweet clovers. "The sweet clovers contain the substance cumarin $C_9H_6O_1$ which is found in the Tonka Bean, Sweet Vernal Grass, Vanilla Grass, etc. In Europe the sweet clover is suspected of being poisonous. Some years ago the writer conducted an experiment in feeding considerable quantities of sweet clover, but without any injurious symptoms resulting. According to Freidberger and Frohner sweet clover causes paralysis of the muscles." Although suggesting its poisonous nature, Pammel gives no proof; he merely cites opinions. Numerous experiments of the writer all indicate the harmless nature of the plant. Calves and rabbits have been fed on an almost exclusive diet of good hay and sound ensilage over a period of many weeks with no ill-effects. One must also take into consideration the fact that thousands of farmers have been feeding sweet clover to their stock for many years with only occasional and localized outbreaks. There is the possibility that only at a certain stage of maturity does the plant become poisonous, or that only certain species are poisonous. Experimental work has practically eliminated these possibilities. The reasonable conclusion is that sweet clover can not be considered as a poisonous plant.

B.—Is sweet clover injurious because of a deficiency in some essential food element?

A chemical analysis of sweet clover shows that it contains carbohydrates, proteins, fat and ash in sufficient quantities to satisfy the requirements of the body tissues. It would appear to be a well balanced food, and not likely to cause such acute conditions as are seen in this disease. Again, the verdict of the majority of those who feed sweet clover is, that it is an excellent food for

stock. If this were a deficiency disease then the worst cases ought theoretically to occur among animals which were receiving an exclusive diet of sweet clover. This has not proved to be the case. The worst outbreak was among cattle receiving only a limited amount of sweet clover, while a liberal quantity of grain and hay was included in the ration.

The evidence is entirely against the idea of a deficiency disease.

C.—Is sweet clover harmful because of poisonous products formed in it by micro-organisms?

In every outbreak investigated, as well as in the majority of reported cases, the sweet clover was found to be mouldy. A denial of the existence of mould was generally due to the fact that the mould was concealed within the hollow stalks and thus not immediately visible. It can be said emphatically that the disease is produced not by good, but only by damaged clover. The presence of moulds is absolute evidence that at one time the sweet clover was a suitable medium for the growth of micro-organisms. The large colonies of mould are easily seen by the naked eye, while the small colonies of bacteria which are undoubtedly present escape observation. Whether the moulds or the bacteria were the ultimate etiological factor was an interesting problem to be settled.

The fact that moulds and bacteria have been growing in the plant tissues brings with it the possibility of the production of poisons, either directly as a specific secretion of the organisms or indirectly due to a splitting of the clover protein. The plant being a legume contains a large quantity of easily convertible protein (globulin) which is a real source of danger when infected with proteolytic organisms.

A very simple yet very significant experiment may be mentioned to advantage at this juncture. Good clover stalks and damaged clover stalks were hand picked from the same hay mow. The good were fed to one rabbit and the damaged to another. The rabbit which ate the good remained well while the rabbit which ate the bad died showing typical lesions. This experiment was duplicated using a different sample of clover hay. The results were the same.

In determining the cause of the disease the available evidence points to a toxic substance, developed by the activities of micro-organisms, growing in the sweet clover, as the responsible factor.

The Etiological Significance of the Moulds.

Mouldy food, for a long time, has been recognized as a common cause for sickness among animals, but the writer is not familiar with any instances where the moulds have been isolated, cultured, and used successfully in reproducing the disease. When food containing mould is condemned as the cause of disease, it is not because of any precise knowledge as to the pathogenicity of the moulds, but experience has frequently shown that mouldy food will kill animals. The mould is a very useful danger signal. It may or may not be of real danger itself, but it is a certain indicator of danger.

The Distribution of the Moulds in the Clover.

Most of the samples of damaged hay examined have shown the presence of a dark mould growing both without and within the clover stem. Associated with this mould is a yellow variety found almost exclusively within the stem and easily over looked unless its presence is expected. The quantity of mould visible on the exterior of the stalks may be very trifling, consequently the existence of mould in the hay is not infrequently denied by the inexperienced observer.

The stalks which contain mould in their hollow centres usually have a dull appearance on the outside. The colonies of mould within the stalks are generally found opposite a place where the stem has been injured. The mould probably commences to develop on the outside of the stalks while the hay is in the coil. As the outside becomes dry the mycelia penetrate towards the centre and there continue to grow till the stalk becomes dessicated.

All mouldy sweet clover hay is not poisonous, the toxicity depending upon the species of infecting mould and possibly upon the species of the clover.

An investigation of the moulds rather than the bacteria was undertaken for two chief reasons:—(a) The disease occurred in connection with ensilage that was mouldy, never with well-ripened ensilage, although the latter is teeming with a variety of bacteria some of which are capable of altering the clover proteins. (b) There was a greater constancy among the species of moulds found in different samples of damaged clover than in the bacterial flora.

Methods of Isolation and Cultivation. After many trials the following has been adopted as the most satisfactory method for aerobic isolation. Fine clover stalks are cut into half inch lengths and spread in a single layer over the surface of an enamel dish, such as is used for plate development in photography. A larger dish covers the smaller, as in the petri dish. The stalks are soaked in water to facilitate cutting. A small quantity of two per cent. agar is poured into the dish, just sufficient to almost cover the clover stalks. This mixture of stalks and agar is sterilized and when solidified is ready for use. Surface inoculations are made and dilutions from dish to dish in exactly the same way as in the isolation of bacteria by the surface-streak plate-dilution method.

Media made in this way is superior to sweet-clover extract-agar and is much more easily prepared. Glucose can be added to advantage. Due to the acidity few bacteria develop on this media. The ordinary petri dish is far too small for the isolation of moulds, the colonies rapidly coalesce.

Pure cultures can be maintained on potato media or sweet clover extract agar. By this method a number of different species of moulds have been isolated. The majority belong to the variety—aspergillus. While these moulds can be readily detected by the difference in colour, care must be exercised in differentiating, as the same species will vary greatly according to age and the nature of the medium upon which it is growing.

Several of the most prevalent species have been grown on clover stalks in pure culture and fed to rabbits with most interesting results. To grow in large quantities the mould is cultivated on clover stalks in glass flasks. It is important that the stalks should contain a suitable quantity of moisture in order to get a good growth. When too moist or too dry the growth is very poor.

Animal Experiments with Pure Culture of Moulds. During the early days of the investigation it was discovered that rabbits were quite susceptible to poisoning, when fed on mouldy sweet clover. They came down with both types of the disease. The fact that rabbits can be used in this way has greatly facilitated the work of testing out different strains of moulds, and also in demonstrating to the unbelieving the effect of damaged sweet clover. Numerous experiments would indicate that good sweet clover either in the form of hay or ensilage is quite harmless to rabbits.

Experiment "A."

To Determine the Pathogenicity of Isolated Strains. Heavy cultures of the mould to be tested were prepared. The mouldy stalks were cut into small pieces, mixed with shorts and bran, and fed to the experimental rabbits. This

was given twice daily with a small quantity of meadow hay and all the water they required. Some rabbits absolutely refused to eat the ration while others ate heartily. Quite a few rabbits died after the first few meals. The post mortem examination revealed nothing of significance. Controls were fed a similar quantity of good clover stalks which had been autoclaved. Six different varieties of mould have been tested out on rabbits. Of these, two seemed to be quite harmless, while one produced a well-marked edema of the ear, and the other three all produced alterations in the blood or blood vessels. One variety —an aspergillus—which has been isolated several times from mouldy clover hay, produces a disease in rabbits which very closely resembles the disease as it occurs naturally in cattle. Nine rabbits have been fed on this particular strain—aspergillus A—and in all cases except one there has been a marked increase in the clotting time of the blood followed in a few days by haemorrhage and death. The alteration in the coagulation time usually occurs between the fifth and the eighth days. The time required for clotting being increased from ten minutes to as much as one hour and a half. In fatal cases the blood may finally lose its power of coagulation. The production of haemorrhage was generally facilitated by placing the rabbits in the warm incubator (37°C) for half an hour, and thus raising the blood pressure. In the case of cattle, pressure and strain on the weakened blood vessels frequently occurs—for example when the animal arises from the stable floor, while in the case of a light animal living in a cage this does not take place to any great extent.

Strain D.B., a penicillium, produced a fifty per cent. destruction of the red blood cells, but only a slight alteration in the clotting time.

Strain D.W., a mucor, had a similar, but less effect to the one previously mentioned.

It was thought that a combination of these different moulds would reproduce more perfectly the disease than the use of any single strain. Damaged hay always contains several varieties of mould and the different manifestations of the disease which occurs in cattle can most likely be accounted for by the kind of moulds present in the damaged hay or ensilage. In a recent experiment two varieties of mould were used in inoculating the clover stalks, and by accident a short bacillus which is commonly found in the mouldy hay, also entered the mixture. A good growth was obtained and when this was fed to a rabbit a most typical case of the haemorrhagic type was produced.

The following table gives a brief summary of this experiment.

Date	Haemoglobin %	Clotting Time	Note
August 15	80	5	Began to feed
" 21	40	30	
" 22	30	1 hour	
" 23	8	Fails to clot	Killed

The post mortem showed extensive haemorrhage in the muscular portion of the diaphragm, into the abdominal muscles, with many smaller haemorrhages in the intercostal spaces and internal to the scapula. The blood showed few platelets, many young red blood cells, and some normoblasts. It had entirely lost its clotting power, but coagulated readily when fresh serum was added.

Experiment "B."

To Determine Whether Other Closely Related Legumes May Become Similarly Toxic when they Become Mouldy. A heavy growth of a toxic mould, strain "A," was obtained on red clover, alfalfa and timothy hay respectively. When fed to rabbits over a long period of time no ill effects were produced, except in one of the rabbits receiving the alfalfa which died on the fourteenth day. Nothing definite could be found at the post mortem. Tests ought to be made with other species of moulds and bacteria.

Experiment "C."

To Determine Whether the Different Varieties of Sweet Clover are all and Equally Poisonous when Mouldy. At present a report can be made on two varieties only. The white biennial has been found to be poisonous both when cut in early blossom and late blossom. The white annual cut at time of budding proved to be highly toxic. This refers to mouldy clover only. It was impossible by this method to determine the comparative toxicity of the different clovers due to the great variation in the appetites of the experimental rabbits. There is no doubt in the mind of the writer as to the ability of certain moulds to alter sweet clover, changing a harmless substance into something highly toxic, which is capable of producing in rabbits a disease practically identical with that which occurs in cattle.

An objectional feature is the frequent necessity of feeding larger quantities of mouldy culture than is required to produce the disease when the naturally moulded hay is used. Also the need of artificially raising blood pressure by means of the incubator.

The mould, apart from sweet clover, is apparently not poisonous except for very young animals. This was evidenced by a number of experiments in which massive doses of moulds cultured on potato were fed to rabbits without producing any typical symptoms. Some of the younger rabbits died after the first few meals. As in other experiments nothing definite could be found on post mortem in these young animals. Practically nothing can be reported as to the effect of bacteria upon sweet clover. One culture alone has been thoroughly tried out, with negative results.

Pathology.

Morbid Histology. The findings recorded here are based upon the microscopical examination of tissues obtained from six cases of the acute type and one of the sub-acute type of this disease. Although the number of cases studied was not large, they were typical, and the nature of the lesions so constant that some definite statements with regard to the tissue changes can be made with certainty.

Liver. Under the low power the sections have a characteristic blotchy appearance due to the alternation of normal and lightly stained, with degenerate and darkly stained areas. The cells surrounding the central vein have frequently undergone necrosis. They have lost their nuclei, appear swollen and homogeneous, and stain deeply with eosin. Whole lobules may be affected in this way. The cells at the periphery of the lobule are generally normal. Between the outer healthy cells and the innermost dead cells are a few rows of damaged cells which take up the eosin readily and contain pyknotic nuclei. Small and large haemorrhages occur with frequency. These are seen not only in the most damaged areas around the central vein, but appear anywhere in the lobule. In

one specimen there appeared to be evidence of destruction of the wall of a portal vein causing a haemorrhage into the surrounding tissue. There is an increase in the number of lymphocytes and leucocytes in the capillaries, but there is no evidence of infiltration around the necrosed areas. There is nothing indicative of inflammation. No fat was found in the acute cases, but in one chronic case there was some fatty degeneration around the central veins. This case, as well as one of the sub-acute type, showed a great many areas of hydroptic degeneration.

Kidney. This showed evidence of nephrosis. It may be very acute so that the cells lining the tubules have been destroyed and are desquamating, or of a milder type with the epithelial cells granular, slightly swollen, and the nuclei of some pyknotic. Large globules having a hyaline appearance were frequently observed. Many of the tubules were filled with casts. There were a few small haemorrhages in the cortex. While there was an intra-capillary increase in the number of white blood cells there was no evidence of a leucocytosis or round cell infiltration.

Spleen. The dehorned calf, which is considered as a sub-acute case, showed a large quantity of pigment. This was also found in the spleen of the acute anaemic cases which occurred in the rabbits. The red blood cells took up the eosin very poorly.

Lymph Glands. Sectioned in two cases only. In the one the gland was normal and in the other markedly oedematous. This latter condition was easily seen by the naked eye. Under the microscope the sinuses were found to be distended with lymph and there were several small haemorrhages.

Intestines. Sections from the intestines showed small and large haemorrhages. These were usually in the sub-peritoneal connective tissue, but may be either sub-mucous or intra-muscular. There was no evidence of inflammation.

The Heart showed some degeneration of the muscle fibres of the outer fasciculi in the muscular pillars. Scattered here and there throughout the heart muscle were bundles of degenerate fibres. In two cases there was a definite infiltration with round cells and polymorphonuclear leucocytes around the damaged muscle fibres. Small haemorrhages were common between the muscular bundles. In all cases there was an extensive haemorrhage beneath the endocardium, covering the muscular pillars of the left ventricle.

The Lung showed no constant changes. In one instance there was well marked edema involving a few lobules. The alveoli were full of fluid and the capillaries engorged, but there was no evidence of diapedesis or haemorrhage.

Some Notes on the Pathology of the Blood.

A prolonged coagulation time and a low percentage of haemoglobin are two conditions frequently observed in connection with this disease whether experimental or natural. The acute form of the disease can occur without either of these changes, but in the sub-acute form it is most likely that both are always present to some extent.

The Altered Coagulability. With our limited knowledge of the intricate mechanism which is involved in the process of clotting, it is frequently impossible to determine with accuracy the reason for failure or delay in this common phenomenon.

To find out whether the delayed clotting time was due to the absence or inhibition of thrombin, a small quantity .05 c.c. of fresh human blood serum was

added to 1.5 c.c. of anaemic blood which had lost the property of coagulation. Clotting began in less than a minute and was complete in four minutes. The addition of calcium chloride failed to bring about clotting.

It was thus discovered that the inability of the blood to clot was not due to a deficiency in calcium salts or fibrinogen, but due either to an absence of thrombin or an inhibition of thrombin. It is difficult to state which, as the blood contained platelets, though in reduced numbers. It is interesting to note that certain protein split products—the proteoses for instance—have the power of stimulating the liver to produce anti-thrombin. It is possible that such proteoses are formed in the mouldy clover, and that they indirectly are responsible for the altered clotting time of the blood.

The Low Percentage of Haemoglobin. The low readings, such as ten per cent. to twenty per cent. of haemoglobin which occur in the experimental anaemia of rabbits is due to two causes, (a) a tremendous destruction of erythrocytes, (b) haemorrhage.

Intra-vital Staining. When the blood from cases showing a low percentage of haemoglobin is stained with a one per cent. aqueous solution of crystal violet a great many reticulated erythrocytes can be seen. This would indicate that the bone marrow is doing all in its power to replace the erythrocytes which are being destroyed in the blood stream. The rapid recovery of the experimental cases gives further proof of the ability of the erythroblasts to repair the loss of cells, if the feeding of the toxic substance is discontinued. Normoblasts are not seen as frequently as would be expected.

What is the Mechanism by which the Disease is Produced?

The answer to this interesting question must at present be speculative, yet it can be reasonable, if constructed upon the data obtained from the clinical and pathological study of the disease. One type of the disease is characterized by haemorrhage and the other type by anaemia. It is not a contagious disease and nowhere gives evidence of inflammatory reactions. All cases of the disease show damage or destruction among the cells of the vital organs. These conditions, taken in conjunction with the fact that cases showing symptoms of acute toxaemia have occurred, warrant the supposition that a powerful poison most likely developed in the clover by microbial activity.

The Haemorrhages. The massive haemorrhages most likely result from a rupture in a small arteriole, while the petechiae and ecchymoses can be explained by the same condition occurring in the small capillaries. A poison which is sufficiently powerful to destroy all the cells of a liver lobule surely possesses the possibility of causing degeneration in the walls of blood vessels and capillary endothelium. The theory that the haemorrhage is the result of the delayed clotting time of the blood is not sound, and can be disproved by certain clinical cases.

The Edema. This can be accounted for by a toxic paralysis of both the blood and lymph capillaries.

The destruction of the red blood cells, the necrosis of the liver cells, the marked nephrosis, and other changes can only be explained by postulating the presence of a poison circulating through the animal body, attacking and sometimes destroying the most vulnerable cells and tissues.

Immunity.

No work has been done in this direction therefore no definite statements can be made. Circumstantial evidence would point against the development of immunity. In several instances sweet clover has been fed to stock with fatal results. The sweet clover has then been removed from the ration for a period of several weeks. With renewed feeding of even smaller quantities the disease has recurred. To the writer this suggests a lack of immunity.

Miscellaneous Experiments.

Under this heading are grouped a number of experiments all bearing upon the question of sweet clover and its relation to disease. Lack of space demands that the briefest summary possible be given.

Experiment A 1. To determine whether mouldy sweet clover is or is not harmful when fed to cattle.

Three calves were fed on timothy hay, good ensilage, and mouldy ensilage respectively. The feeding was continued for twenty-one days, when all were castrated. The calves receiving the timothy hay, and the good ensilage remained well while the calf on mouldy ensilage died from haemorrhage several hours after the operation.

Experiment B 1. To determine the changes produced in the blood by the feeding of mouldy ensilage.

Two calves were employed. One was fed good timothy hay and the other mouldy ensilage. The average clotting time of the calf on mouldy ensilage was twenty-eight and a half minutes. The average time of the calf on hay was eleven and a half minutes. Both were dehorned and the calf on the ensilage died of haemorrhage three hours after the operation. The calf on the good hay remained well.

Experiment B 2. Six rabbits were fed on aqueous extracts of mouldy sweet clover. Three became acutely sick and three remained well. The latter were all old rabbits. In those which were affected there was an incubation period which averaged nine days. A very acute anaemia was produced fifty per cent. of the red blood cells being destroyed in less than one week. The rabbits rapidly recovered when the extract was withheld. The clotting time was also delayed. No immunity was developed, the disease reappearing when the extract was again fed.

Experiment C 1. To determine whether the mouldy stalks are more poisonous than the non-mouldy stalks in a sample of disease-producing sweet clover hay.

Six rabbits were used and three different samples of mouldy hay. The clean stalks were carefully separated from the mouldy stalks in each sample and one rabbit was given the good and the other the bad. The three rabbits which ate the mouldy stalks died while the rabbits which ate the clean stalks remained well.

N.B.—This experiment would strongly discredit the idea of any natural poisonous principle being responsible for the disease.

Experiment F 1. To determine whether good sweet clover ensilage if fed in large quantities may become harmful.

Four calves were used in the test. Two were fed exclusively on ensilage with a little bran, half a pound per day. The other two were given less ensilage and some timothy hay with the same quantity of bran. Two different samples

of ensilage were used. The test was continued for five weeks during which time frequent blood tests were made. The animals remained normal and were successfully dehorned at the close of the experiment.

The Diagnostic Value of Haemoglobin and Coagulation Time Estimation of the Blood.

The following is the method employed in estimating the coagulation time of the blood. A large gauge needle was thrust into the compressed jugular vein and the blood caught in a test tube with a definite diameter of one-half inch. The blood was collected to a depth of about two inches in the test tube. When the blood did not flow freely through the needle a new needle was employed and a fresh attempt made. The test tube was then placed in a pan of water at 37°C. The clotting first occurs on the surface of the tube where the blood and air meet. The tube is occasionally tilted and when the whole of the blood has formed a solid coagulum, coagulation is considered complete, and the time required recorded. With this technique the coagulation time for a normal cow varies from five to fifteen minutes. Errors can very easily be made test tubes and needles must be absolutely clean and the blood obtained from the vein without any delay.

The method of drawing the blood from the vein into a syringe and then transferring to a test tube is not as reliable as the direct flow into the test tube.

Table giving clotting time and per cent. of haemoglobin in a diseased herd.

Number	Pulse	Clotting Time	Haemoglobin %
1	78	6 minutes	100
2	78	20 "	68
3	108	10 "	110
4	78	30 "	85
5	72	22 "	100
6	78	20 "	97
7	86	47 "	90
8	..	22 "	97
9	78	15 "	78
10	66	18 "	95
11	78	43 "	60
Calf (normal)	..	5 "	...

At the time of testing this herd the animals were still receiving sweet clover in their rations and during the preceding few days six animals had died. It will be noticed that Nos. 4, 7 and 11 gave a very much delayed clotting time. Animal No. 4 looked well and remained so. Animal No. 7 was not eating well and looked a little sick. Her pulse was fast. Animal No. 11 was a clinical case showing a diffuse swelling which extended down the left thigh. This could only be seen on careful observation. The percentage of haemoglobin is low in this case. Animal No. 3 proved to be of interest. This cow was apparently quite well at the time the test was made but was regarded with suspicion because of the high pulse rate. On the day following the test she suffered from a severe haemorrhage, but made a complete recovery. In all cases the pulse was accelerated and the animals seemed nervous.

The outbreak had been considered as probably haemorrhagic septicemia and while the stable had been thoroughly disinfected and the carcases carefully

removed, the feeding of sweet clover was continued. The farmer, who was a very careful man, denied that the clover hay was musty. A careful examination of the stalks revealed many that had colonies of mould within the hollow stems.

Prophylaxis.

The preventive measures suggested are based upon a belief that the disease is due to poisons produced by the growth of moulds and possibly other micro-organisms in the sweet clover. Whether moulds are alone responsible is a matter of little consequence from the standpoint of prophylaxis; they are always a danger signal. It is, therefore, a question of, how best to prevent the development of these organisms. In the first place it must be borne in mind that the most important factors in the development of mould and bacteria are climatic, and thus outside the control of man. When the season is wet the hay is almost sure to be mouldy. The following practical suggestions are offered.

(1). Sow only scarified seed, and sow heavily, not less than twenty pounds to the acre. This will insure a heavy stand, and the stalks will be thin. Moulds develop most readily on tough woody stalks.

(2). The clover should be cut early, the most suitable time being when the crop is in bud.

(3). Cure the hay in large coils and never draw in to the mow when wet. Mould will grow luxuriously on stalks that have been thoroughly dried if these later become wet.

(4). Salt added to the clover at the time of stacking, in the proportion of about fifty pounds to the ton, seems to be very beneficial.

(5). The hay must be protected from moisture which during the winter months may rise from the cow stable and condense on the fodder in the hay mow. This is very important.

(6). In the case of ensilage, mould will not develop if the sweet clover is free from woody fibre, ensiled as soon as cut, cut short and thoroughly tramped in the silo. Exclusion of air in the silo means freedom from mould, and freedom from mould means freedom from disease. In every outbreak among cattle where ensilage was being fed the latter was coarse and dry, which had made close packing in the silo impossible.

(7). If any evidence of mould the hay should be fed sparingly and only to mature cattle and horses.

The making of hay from sweet clover is attended with real danger. No other hay crop becomes so definitely poisonous to stock when harvested under unsuitable conditions.

Conclusions.

I. That the disease investigated is a new disease and, while simulating haemorrhagic septicemia and blackleg, is entirely distinct from these diseases.

II. That the disease is produced by a toxic substance which is present in mouldy sweet clover. There is much evidence that certain moulds are responsible for the formation of this poisonous principle.

III. That the toxic substance produces the disease by destroying or damaging the cells of important tissues and vital organs. This may result in haemorrhage, delayed coagulation of the blood, and destruction of the red blood cells.

IV. That there is no evidence to show that the feeding of good sweet clover hay or ensilage can produce the disease in question.

V. That the moulding of the hay and ensilage can be greatly reduced by observing proper methods of sowing and harvesting the crop.

APPENDIX No. 2

PURULENT PNEUMONIA IN CALVES.

These cases were investigated on a farm near St. Mary's, Ontario. The owner reported that three out of five calves which were being raised in the same pen had died within a short time of each other. The remaining two were also sick.

Symptoms. The breathing was rapid accompanied with a frequent depressed cough. They had no appetite for food and showed marked debility. The temperature varied from 102 degrees to 105 degrees F. The disease lasted several weeks before terminating fatally.

Post Mortem. The anterior and inferior parts of the lungs were almost solid, greyish red in colour and sprinkled with numerous abscesses, large and small. The bronchi were full of a purulent discharge. Empyema was present in one case. Several ulcers were present in the small intestines.

Diagnosis. Purulent pneumonia.

Bacteriological Examination. A pure culture of a small gram negative bacillus was obtained from both of the cases examined.

Source of the Disease. The infection seemed to have been introduced by a recently purchased cow. Her calf was weak at time of birth, and developed the disease which later spread to the other calves with fatal results.

APPENDIX No. 3

STRONGYLUS CONTORTUS INFECTION IN LAMBS.

This investigation was conducted at Simcoe, Ontario. The owner reported that his spring lambs, the offspring of pure bred Southdown ewes, had done well until about the middle of August, 1922, when several became sick and died. From that time until the beginning of the present year there were increasing fatalities and the remainder of the flock were unthrifty.

Symptoms. At time of visit to the premises on January 3rd, 1923, the following symptoms were presented by the flock. General dullness, poor appetite, increased thirst, foetid diarrhoea, paleness and blanching of the mucous membranes. In many the temperature was increased and they showed marked lassitude, unthriftiness and poor condition, the fleece appeared hard and matted.

Diagnosis. A haemaglobin test of the blood showed that the unthrifty animals were anaemic. Examination of the feces revealed the presence of parasitic eggs. One of the sick lambs was killed and a post mortem examination made. The carcase was very cachectic and the cause of the trouble was discovered in the abomasum or true stomach in a very heavy infestation by parasitic worms the Strongylus contortus.

Treatment Prescribed. The owner was advised to keep the lambs in future on high dry pasture, to avoid low damp ground which facilitates infection and to give bi-monthly treatments of copper sulphate solution. As a result no further losses occurred in the flock, their general conditions improved and the owner was gratified to have the cause of his trouble discovered and remedied.

APPENDIX No. 4

ACUTE SEPTICEMIA AND PNEUMONIA, THE PROBABLE CAUSE OF LOSSES OCCURRING AMONG YOUNG PIGS.

During the latter part of the winter several reports came to the college of excessive losses among young pigs. The uniformity of the symptoms described indicated a common type of infection. In some respects the disease resembled enzootic pig pneumonia. Several young pigs died at the Ontario Agricultural College piggery with symptoms similar to those reported elsewhere.

Symptoms. In all cases the appetite was poor, the abdomen was tucked up and the hair rough. A cough was constantly present. As the disease progressed the breathing became more and more laboured and rapid, resembling the so-called "thumps." In some cases the disease was very acute, the animal being apparently well in the morning and would die before night time. Diarrhoea was present in many cases. On damp cold days the symptoms were more pronounced. Pigs between the ages of three to six weeks were chieffy affected. Necrotic stomatitis or sores affecting the mouth were frequently present.

Post Mortem. The examination of the dead pigs revealed a marked variation in the appearance according to the type of disease. In the most acute cases minor changes alone could be discovered. Areas of congestion in the lungs were constant, but the visible changes did not seem pronounced enough to account for the rapidly fatal nature of the disease. In the sub-acute and chronic forms of the disease marked changes were observed. A broncho-pneumonia involving the anterior part of the lung was commonly present. A sero-fibrinous pleurisy frequently accompanied the pneumonia. Pericarditis or inflammation of the covering of the heart was sometimes present. The liver was usually congested as also the mesenteric vessels. Peritonitis was well marked in some cases. Pink blotches were seen in a few cases in the regions of the thighs, inferior maxillary space and flanks. The lymph glands other than the cervical and pectoral glands were usually normal. There was frequently marked evidence of nasal catarrh. This with the inflammatory condition of the cervical and prepectoral lymph glands would indicate the line of infection.

Bacteriological Examination. Several organisms were isolated including the Bacillus suisepticus, the Bacillus pyogenes suis and a Diplococcus. No single organism was constantly present.

Pathological Examination. Sections made from the lung in chronic cases showed a typical broncho-pneumonia with pleurisy. In the acute cases the lung tissue was very congested with slight cellular infiltration of the alveoli. The liver showed areas of degeneration.

Diagnosis. The acute forms presented the clinical picture of a septicemia. The chronic type could be considered as broncho-pneumonia with secondary pleurisy presenting the clinical picture of enzootic pig pneumonia.

Recommendations.—In cases where this disease appears the sick pigs should be removed from amongst the others. All of the young pigs should be made comfortable and kept in a warm dry place. The breeding of the sows should be regulated to prevent as far as possible their farrowing during the cold winter months. Sows which are due to farrow should be placed in a special pen which has been previously cleaned and disinfected. The brood sow and her new-born should be kept warm and dry and protected from exposure to cold and damp which lowers their resistance and renders them more liable to infections which they otherwise might withstand. This disease is only likely to become epidemic under certain seasonal conditions which encourage the infection in the same manner as influenza outbreaks occur among people.

APPENDIX No. 5

NECROTIC STOMATITIS IN SUCKLING PIGS.

These cases were investigated on a farm near Aylmer, Ontario.

Symptoms. Four litters of young pigs had developed sores on the gums, cheeks, tongue and snout. The affected ones rapidly emaciated and died. The pigs were about two weeks old when infection occurred. All of the pigs in the four litters became affected and died. The sows were bred again and gave birth to average sized litters of healthy pigs. These second litters when about two weeks old began to develop sores on their mouths and die off as their predecessors.

Clinical Examination. The sick pigs all showed ulcers in some part of the mouth, lips or nose. The lesions had a characteristic necrotic centre, and a bad odour. Nursing was painful to them so the pigs did not suck and rapidly became emaciated due to a lack of nourishment. The infection had spread rapidly as the infected and healthy pigs were all mingling together and nursing the same sow.

Treatment. As the pigs were being kept and reared under filthy conditions the owner was instructed to exclude them from the filthy barnyard to which they had free access, and to cleanse and disinfect the pig pens. The affected pigs were also removed and placed by themselves. For treatment the necrotic tissue requires to be removed and the affected parts of the mouth cleansed with peroxide of hydrogen and painted with tincture of iodine. These cases usually develop in young pigs kept under filthy conditions and may be prevented by keeping them in clean pens and dry yards.

APPENDIX No. 6

NASAL CATARRH AMONG FOWL.

These cases were investigated on a farm near Paris, Ontario. The owner reported that several valuable birds had died and a large number were sick in a flock of four hundred Rhode Island Red fowl. An investigation was asked for and made.

Symptoms and Cause. The affected birds had a catarrhal discharge from the nose and eyes. They were being kept housed closely under unsanitary slum conditions.

Treatment. Owner was advised to improve the general conditions under which the birds were kept. For treatment the flock was given Epsom Salts, two pounds per hundred birds, together with Potassium Permanganate added to the drinking water.

APPENDIX No. 7

REPORT OF AN EXAMINATION OF SAMPLES OF MILK.

At the request of the Medical Health Officer an examination was made of the milk supply of the City of Guelph.

Between the dates of October 26th and November 30th, 1922, 152 samples of raw and four of pasteurized milk were examined for specific gravity, fat, total solids, solids-not-fat, dirt, bacterial count, and in some cases acidity. The results of the examination are contained in this report. The samples were brought to the college by the Sanitary Inspector. The samples consisted of one pint of milk in regular bottles with pasteboard caps. These were placed in the ice-chest as soon as received at the laboratory and examination commenced within two hours at the latest.

Routine Followed.

Bacterial Count. Dilutions of milk were made in sterilized tap water as follows: 1:100, 1:1000, 1:10,000 and 1:1,000,000. 1.0cc of 1.1,000, 1:10,000 and 1:1,000,000 was plated in 10cc of 1.5 per cent. beef extract agar with a reaction of +1, and incubated at 37°C. for forty-eight hours, when the colonies were counted. Controls on water and agar were also prepared and incubated.

Sediment Test. One pint of milk was rapidly filtered by pressure through a pledget of cotton which was then mounted on white paper for comparison with standards when dry. This test approximately indicates the amount of insoluble dirt, which is chiefly cow manure. In this report the samples have been graded as clean, fair and dirty. If the milk has been previously filtered through cotton the sample might grade as clean and yet have a higher bacterial count than another grading as dirty. This is readily seen by running a sample of dirty milk through two separate cotton discs.

Lactometer Reading. (Specific gravity.) This was taken by means of Quevenne's lactometer which indicates the temperature and the second and third decimals of the specific gravity. If the sample was not at 60°C. the reading was corrected to the temperature indicated on the thermometer scale.

Fat Determination. The Babcock test was used for determination of percentage of fat in samples. Reading was done at a temperature of between 50° and 60°C.

Acidity. Some of the samples were tested for acidity by Publow's method, but this test would have given more information in warmer weather.

Total Solids. (Milk solids.) These were calculated from the corrected lactometer reading and percentage of fat according to the table of Shaw and Eckles.

Solids-Not-Fat. (Plasma solids), were determined by subtracting the percentage of fat from the total solids.

Standards. The standard for butter fat under the new by-law is 3.25 per cent. and total solids 11.75 per cent. The provincial standard for butter fat is 3.5 per cent. There are no federal or provincial bacterial standards at present for raw or pasteurized milk, but only for certified milk, which is not applicable to the present supply. Park and Williams, in discussing raw milk, state as follows: "With only moderate cleanliness such as can be employed by anyone without adding appreciably to his expense, namely, clean pails, with small open-

ings, straining cloths, cans or bottles, and hands, a clean place for milking, and a decent condition of the cow's udder and belly, milk when first drawn will not average in hot weather over 30,000 and in cold weather not over 25,000 bacteria per cubic centimeter. Such milk, if cooled and kept at 50°F., will not contain at the end of twenty-four hours over 100,000 bacteria per cubic centimeter. If kept at 40°F., the number of bacteria per cubic centimeter will not be over 100,000 after forty-eight hours."

Summary of Results.

Following is a summary of samples deficient in fat and total solids. The samples are also summarized with regard to dirt and bacterial count.

Bacterial Count per Cubic Centimeter of Milk.

Below 100,000	57	samples
Between 100,000 and 1,000,000	41	"
Over 1,000,000	18	"
Not counted for various reasons	40	"

Sedmiment Test. Out of 156 samples, 35 graded clean, 66 fair and 55 dirty.

Fat. Taking 3.25 per cent. fat as the standard, there were 55 samples under that percentage.

Total Solids. There were 33 samples below 11.75 per cent.

The results of this examination would indicate that benefits to the milk consumers could be derived from a regular system of inspection which would also safeguard the vendor who is providing a good clean wholesome milk.

APPENDIX No. 8

THE AGGLUTINATION TEST FOR INFECTIOUS ABORTION.

While carrying out routine blood tests for infectious abortion some modifications in setting up the agglutination and complement fixation tests were tried, and in this article the agglutination results will be dealt with.

The agglutination test alone as already stated by many workers was found to be satisfactory for all routine purposes, but for research work the complement fixation test is of value as a check, and from the comparative work done it appears to detect very slight reactions. The rapid agglutination method is based on the macroscopic slide agglutination first described by Coca as used in cholera examinations, and later by Krumwiede as a routine in the examination of feces for members of the typhoid-paratyphoid dysentery types and also as an aid in the search for meningococcus carriers. The difference in the present instance is that a specific antigen is used to detect antibodies in the patients serum. The drop bottle described by Krumwiede was not made use of as this reference was not at hand when the work was done, but it would be very convenient for the antigen. The principles underlying the agglutination test will be outlined before proceeding to the technique.

Peculiarities in the growth of bacteria when cultivated in immune serum were first noticed by Metchnikoff in 1891 and Charrin and Rogers in 1889, but Gruber and Durham were the first to recognize the agglutination reaction as a

separate function of immune serum. Shortly afterwards Widal applied the test to the diagnosis of typhoid fever.

Agglutination may be observed microscopically or macroscopically, the latter being more in favour on account of the greater accuracy obtainable in the dilutions through using larger quantities. Agglutinins may be present in the blood of normal animals in small amounts and are produced naturally by infection or artificially by the subcutaneous, intraperitoneal or intravenous injection of a suitable antigen. They resist drying and can be heated, some withstanding heat at 65° and 70°C. The formation of agglutinins is a reaction to the body substance of the bacteria themselves rather than to their toxic products.

Agglutinated bacteria are not killed by the act of agglutination and are often as virulent as non-agglutinated cultures. Metchnikoff assigned these antibodies a minor part in regard to immunity, but recent work by Bull seems to indicate that bacteria are agglutinated in vivo as a preliminary step to phagocytosis.

Salt is essential for the reaction, as is shown by the fact that when dialyzed suspensions of bacteria and serum are mixed, no reaction occurs until a small quantity of salt is added to replace that removed by dialysis; or if the bacteria are removed by centrifugation, washed and suspended in distilled water, no change occurs until the salt is added, showing that combination occurs between antigen and antibody without salts, but agglutination only in the presence of salts.

According to Bordet the bacteria play only a passive role. Motility is not necessary. The agglutinins unite with the agglutinable substances in the bacteria and lead to changes in the molecular attraction between the bacteria and the surrounding fluid. This is the first or biological phase in which the individuality of the microorganisms count. In the second phase the cells in obedience to molecular attraction show only such peculiarities as occur in mineral particles.

Pre-zone or Proagglutinoid phenomenon is seen in some sera. The lower dilutions cause little or no agglutination, while the higher dilutions may give a complete reaction. This is explained by Ehrlich as due to the action of agglutinoids, which having a stronger affinity for the bacteria, combine and prevent the action of the agglutinins, but it is suggested by others that it is due to the presence of a protective colloid. In either case the substances are evidently present in insufficient amounts in the higher dilutions. It is unnecessary for the purposes of this paper to go into a discussion of minor agglutinins, hemagglutinins and isoagglutinins.

Technique.

Antigen. Seven strains of B. abortus were used. These were grown for 48 hours in flat flasks on 2% liver agar prepared according to the method of Stafseth with a Ph. reaction of 6.4 to 6.8. This growth was washed off with a 0.85% saline solution and filtered to remove the clumps. It was then diluted to a standard made by suspending 0.0003 gm. per cc. of saline solution and preserved with 0.4% phenol. This antigen was found to stand up admirably. It was made in large quantities, thus permitting the use of the same strength antigen over many tests. It remained fully active for four months in the ice chest, but after that was not tried out again until seven months, at which time a strong positive serum produced no change in it. For agglutination in high

dilutions a double strength antigen was used to allow for reduction to the foregoing strength when mixed with equal parts of the dilutions of serum.

Serum. A small area over the jugular furrow was quickly clipped with scissors and thoroughly rubbed with a pledget of absorbent cotton dipped in alcohol. The vein was then raised by means of a stout cord drawn sufficiently tight around the base of the neck, and a sterile, clean 16-guage hypodermic needle inserted into the vein. Ten to 15 cc. of blood was collected and allowed to coagulate with the tube in a slanting position. Where the sample was to be collected by someone else at a distance they were advised to fill the tube or bottle up to the cork to avoid shaking in transit. On arrival at the laboratory the samples were examined, the clot separated from the side of the container with a sterile wire or glass rod, the tubes placed in the ice-chest overnight and the serum then pipetted off. In some cases, when it was desired to set up the tests sooner, the blood was centrifuged and the serum pipetted off at once.

The Test. The test used for routine was that described by Rettger and White, viz.:—Two tubes for each serum to be tested and one tube for antigen control. 3cc. antigen is placed in each tube. Then to No. 1 add 0.06cc. undiluted serum, making 1:50; to No. 2 add 0.03cc. serum making 1:100 dilution; No. 3 is antigen alone. The tubes are shaken gently and incubated at 37°C., for 48 hours. This was modified by using two more tubes, giving additional dilutions of 1:150 and 1:200.

Reading. Tubes Nos. 1, 2, 3 and 4, if a strong positive, will be perfectly clear, with clumps of bacteria adhering to the sides and bottom of the tubes. The antigen control No. 5, must be uniformly cloudy, without trace of clumping, or change of any kind. Agglutination in No. 1 but not in the others may be counted as suspicious. Complete agglutination in dilution of 1:100 is positive. With a negative serum there will be no change in any of the tubes.

For dilutions higher than 1:200 the two following methods were used.

For Moderately High Dilutions. The serum was diluted with sterile normal salt solution as follows:—

1:100	0.1cc. of serum	+	9.9cc. saline
1:150	1.0cc. of 1:100 dilution	+	0.5cc. "
1:200	1.0cc. of 1:100 "	+	1.0cc. "

and up to as high a dilution as required. 1.0cc. of each dilution is set up with 1.0cc. of antigen, thus doubling them.

For Very High Dilutions. A combination of the first and second methods was used. Dilutions prepared as follows:—

1st dilution	1.0cc. serum	+	1.0cc. saline
2nd "	1.0cc. 1st dilution	+	1.0cc. "
3rd "	1.0cc. 2nd "	+	1.0cc. "
4th "	1.0cc. 3rd "	+	1.0cc. "
5th "	1.0cc. 4th "	+	1.0cc. "
6th "	1.0cc. 5th "	+	1.0cc. "

With these any desired solution can be made by adding 0.06, 0.03, 0.0225 or 0.015cc. of a dilution of serum to 3cc. Antigen.

	0.06	0.03	0.0225	0.015
Undiluted	1:50	1:100	1:150	1:200
1st dilution	1:100	1:200	1:300	1:400
2nd "	1:200	1:400	1:600	1:800
3rd "	1:400	1:800	1:1200	1:1600
4th "	1:800	1:1600	1:2400	1:3200
5th "	1:1600	1:3200	1:4800	1:6400
6th "	1:3200	1:6400	1:9600	1:12800

To set up dilutions of, say, 1:400, 1:800 and 1:1600 take 3cc. antigen and add to each tube respectively 0.06cc. of 3rd dilution, 0.03cc. of 3rd dilution and 0.03cc. of 4th dilution. It will be noted that 1:1600 could also be made by adding 0.015cc. of 3rd dilution, but this smaller quantity is more difficult to measure accurately.

Rapid Agglutination Method (Macroscopic). Antigen was prepared by thoroughly rubbing up 48-hour liver agar culture of B. abortus in salt solution in a watch glass to make a creamy suspension. No phenol was added as the antigen was made up as required. Drops of this antigen are placed with a loop on a clean glass slide that has been divided off with a grease pencil and numbered. A loopful of each serum to be tested is then added to the correspondingly numbered drop of antigen. A loopful of saline solution is added to one drop to act as a control. Known positive and negative sera are similarly used. The slide is then held so as to catch the light in the same manner as if it were a tube. No change occurs in the control drop or with negative sera, the liquid remaining uniformly cloudy. Positive reactions cause a separation or clumping of the antigen within, as a rule, less than a minute. This can be quite plainly seen when the slide is rocked in the fingers, allowing the drops of liquid to run to and fro on the glass.

Two hundred and twenty-four sera were tested by this method. 1:50 and 1:100 dilutions were set up at the same time in every case and in some the complement fixation test was also carried out. Out of these 224 sera the rapid agglutination method agreed with the other tests in 210 cases, 53 positive and 157 negative. The 14 sera in which the tests did not agree are as under:—

No. 85—Positive in 1:50 and 1:100 dilutions. Complement fixation anticomplementary. Rapid agglutination negative.
No. 88—Negative agglutination 1:50 and 1:100. Weak positive in complement fixation Positive in rapid method.
No. 92—All the agglutination results negative. Complement fixation weak positive.
No. 95—1:50 positive, 1:100 negative. Complement fixation weak positive. Rapid method negative.
No. 103—Only slight trace in lower tube of agglutination. Slight fixation of complement. Rapid method negative.
No. 104—Only a trace of agglutination in 1:50 tube. Rapid method negative.
No. 124—Serum of rabbit treated with filtrate. Positive 1:50; negative 1:100. Complement fixation strong positive. Rapid method negative.
No. 125—Serum of similarly immunized rabbit, in which the agglutination titre was even lower. Rapid method negative.
No. 204—Positive 1:50, negative 1:100. Negative in rapid method.
No. 217—Positive 1:50, incomplete reaction 1:100. Negative in rapid method.
No. 247—Incomplete reaction in both dilutions. Negative in rapid.
No. 254—Incomplete reaction 1:50, negative 1:100. Negative in rapid.
No. 257—Positive 1:50, negative 1:100. Negative in rapid.
No. 294—Positive 1:50, incomplete 1:100. Very slight in rapid method.

On looking over these results it will be noticed that No. 85 is the only case in which the rapid method failed badly. No. 88 corresponds to the complement fixation test. In No. 92 all agglutination results are negative. The other tubes shown above are all weak in reaction. With the exception of No. 85 the rapid agglutination method tallied with the agglutination results obtained in every instance where the 1:100 dilution showed a complete positive reaction. While the number of sera tried is not sufficient on which to base an idea of the value of this method, the fact that it was positive in all but one of the sera that gave positive reactions in 1:100 dilution is exceedingly interesting and opens up possibilities of usefulness for this method in establishing rapidly whether or not there is, or has been, B. abortus infection in a herd before, say, administering a vaccine.

Dilutions in which Sera Are Capable of Producing Agglutination.

Schroeder states that the titre of sera of infected animals may attain the height of 1:3200. Working with the antigen already described we found the titre in some cases to be higher. The titre of the serum, that is the highest dilution in which it will produce complete agglutination, is dependent to a large extent on the density of the antigen. A serum that in a dilution of 1:1000 may cause complete agglutination of a light suspension may only be capable of producing complete agglutination in a heavier antigen in, say, 1:500 or lower dilution. This must be borne in mind when making comparisons where the antigen concentration is unknown.

The following sera were from two different herds and are the highest dilutions met with from naturally infected or immune cows in this experiment. Double strength antigen was used, which was diluted by mixture with equal parts of the serum dilutions.

	1:500	1:1000	1:1500	1:2000	1:10,000	1:20,000
No. 75—9 years old, recently aborted	+	+	+	+	—	—
No. 77—6 years old, no abortions...	+	+	+	+	+	—
No. 81—6 years old, 3 cvs. no abortions.....	+	×	—	—	—	—
No. 85—3 years old, aborted.....	+	+	+	+	—	—
No. 89—9 years old, at 6 months...	+	+	+	+	+	×
No. 94—9 years old, aborted at 7 months.....	+	+	+	+	+	×

+ = Complete agglutination.
× = Incomplete reaction.
— = No trace of agglutination.

From this it can be seen that the titre of the serum does not indicate whether an animal may or may not abort, as for example No. 77, a regular breeder with no abortions, has the same titre as 89 and 94. According to McFadyean it shows whether or not the infection is recent. It will be noted that in the above there were no tubes between 1:10,000 and 1:20,000 dilution and had these been used the titre might have been higher than it appears.

A brown mare and a black gelding were injected with large intravenous doses of living B. abortus. Ten doses were administered, four days apart, and blood was collected for the agglutination test each time. For the sake of brevity all details in connection with these cases are omitted, giving simply the titre obtained. Dilutions were made by the combination method already described, using the regular antigen. After the seventh injection the brown mare's serum gave a titre of 1:40,000, while that of the black gelding gave complete agglutination in 1:10,000 after the sixth injection, these being the highest figures reached.

In the third series ten rabbits were given intravenous injections of commercial vaccines, sensitized and unsensitized and similar vaccines made in our laboratory to the same standard. The highest titre produced in these rabbits was 1:4,000. A ten-day broth filtrate, as might be expected, produced very little agglutinating power. It did, however, produce a strong complement binding serum.

Conclusions.

1. The agglutination test alone is satisfactory for all practical purposes but for research work the complement fixation test should also be used.

2. The rapid agglutination method would appear to offer a very quick and convenient method of establishing a herd diagnosis, as only the sera from

animals having a titre of less than 1:100 failed (except in one case) to produce a reaction. It would not replace the other tests for more careful work.

3. Agglutination antigen may be kept for four months in the ice chest and be satisfactory at the end of that time. After seven months it fails to be agglutinated by a strong positive serum.

4. Sera from naturally infected or immune cows may produce complete agglutination in dilutions up to 1:10,000 with a light antigen (0.0003 gm. of culture per cc.). Sera from horses repeatedly injected with large doses of B. abortus may agglutinate the same antigen in dilutions as high as 1:40,000. The titre is not of value in deciding whether an animal has aborted or will abort.

APPENDIX No. 9

A MODIFICATION OF THE COMPLEMENT FIXATION TEST FOR INFECTIOUS ABORTION.

In the course of routine work with the serological tests for infectious abortion a certain amount of experimental work was carried out in setting up the agglutination and complement fixation tests. The results of experiments with the former method have been published in a previous paper, and in this one a modification of the latter is described, using a filtrate as the antigen.

The complement fixation test, or reaction of fixation, was demonstrated by Bordet and Gengou in 1901, whence it is sometimes called the Bordet-Gengou reaction. They showed that the blood of animals, whether normal, immune or infected, contained a substance called alexin or complement that could be destroyed by heating to 56°C. (inactivation), and in the blood of immune or infected animals a bacteriolytic substance that resisted heating to 60°C. The term amboceptor was applied to this by Ehrlich.

The test is based on the fact that complement is fixed or bound in the antibody-complement-antigen reaction. This is demonstrated by the addition of the hemolytic system, which consists of red blood cells of the sheep and anti-sheep hemolysin. If the complement has been fixed in the first stage no change will occur, but if the complement has not been fixed, hemolysis or laking of the red blood cells will take place. In testing a positive serum the antibodies it contains combine with the complement, which becomes fixed, and therefore no hemolysis occurs when the hemolysin and cells are added, as complement is necessary in the hemolytic reaction. When a negative serum is tested the complement is not used up, as there are no antibodies present to enter into the combination and therefore it is left free to combine with the hemolysin in laking the blood cells. According to Ehrlich's hypothesis the amboceptor acts as a bridge for the action of the complement; while Bordet believes that the amboceptor combines with the bacterial cell, sensitizing it to the action of the complement.

Following is a description of the methods of preparing or obtaining the antigen, serum, etc.

Serum. A small area over the jugular furrow was quickly clipped with scissors and thoroughly rubbed with a pledget of absorbent cotton dipped in alcohol. The vein was then raised by means of a stout cord drawn sufficiently tight around the base of the neck, and a sterile, clean hypodermic needle (16

gauge) inserted into the vein. Ten to 15 cc. of blood was collected and allowed to coagulate with the tube in a slanting position. Where the sample was to be collected by someone else at a distance they were advised to fill the tube or bottle up to the cork to avoid shaking in transit. On arrival at the laboratory the samples were examined, the clot separated from the sides of the container with a sterile wire or glass rod, the tubes placed in the ice chest overnight and the serum then pipetted off. In some cases where it was desired to set up the tests sooner, the blood was centrifuged and the serum pipetted off at once.

Antigen. Several methods of preparing the antigen were tried. Dissolved antigens did not work. NaOH and antiformin were used and the liquid neutralized. The choice then came down to a bacillary suspension and a filtrate which was prepared by growing seven strains of Bacterium abortus in beef infusion broth made with "Difco" standardized peptone, for ten days, filtering through a Berkefeldt candle and adding 0.5% phenol. This filtrate was found to be very satisfactory as it had good binding power, and very little anticomplementary action, which was always a stumbling block with the bacterial suspensions.

Complement. A guinea pig was anesthetised with ether by placing its head in a tumbler or graduate containing a piece of absorbent cotton on which the anesthetic had been poured. The under surface of the neck was denuded of hair by plucking it. (A very quick, convenient method.) The vessels were exposed by a longitudinal incision in the median line and blunt dissection with the scalpel handle. The blade was then passed under the carotid artery, and while an assistant held a test tube against it the artery was cut and the blood spurted directly into the tube. This was done the afternoon of the day before the complement was required. It was placed in the ice chest and the following morning the serum was pipetted off.

Hemolysin. Rabbits have a certain amount of natural anti-sheep hemolysin which makes them more adaptable for the purpose of producing an artificial hemolysin by injections of sheep's red blood cells. Sheep's blood was collected in a small sterile flask and defibrinated by shaking. It was strained through sterile cheesecloth into centrifuge tubes, saline added, shaken up and centrifuged to throw down the corpuscles. The supernatant liquid was pipetted off, and the process repeated three or four times to remove any trace of serum. This is very important, as a trace of serum may produce anticomplementary substances in the rabbit's blood. The blood that was not to be used at once was preserved by the method described by Bernstein and Kalisky in 1912 and by Wenner in 1918, and that was by the addition of 1 part of 40% (commercial) formaldehyde to 800 parts of blood. Healthy rabbits were injected by the intraperitoneal or intravenous methods. The method finally adopted was as follows:—Five intravenous injections of undiluted corpuscles were given on five consecutive days. The dose commenced at 0.5cc. and progressed to 2.5cc. on the fifth day. Trial bleedings were made on the fourth day after the last injection, and if the titre was satisfactory the rabbits were bled out.

Sheep's Red Blood Cells. These were prepared in the same manner as already described for injecting rabbits for hemolysin production and were similarly preserved and washed when required. It was found that the unwashed cells treated as above will keep for about three weeks.

Saline Solution. This was prepared by dissolving 0.85% sodium chloride in tap water and sterilizing in large flasks in the autoclave at 15 pounds pressure for 30 minutes.

Titrations and Test. The following methods of titration and the test are based on the complement fixation test for gonorrhea in use at the Connaught

Research Laboratory, University of Toronto. The test tubes used (except for hemolysin titration) were 3 inches by 5/16 inch.

Titration of Hemolysin.—In titrating a new hemolysin, dilutions must be made of, say: 1:400, 1:800, 1:1200, 1:1600, 1:2400. For each dilution set up 4 tubes, as below:—

Tube	1	2	3	4
Saline 0.85 per cent	1.0	1.0	1.0	1.0
Hemolysin	0.05	0.1	0.15	0.2
R. B. C. 3 per cent	0.5	0.5	0.5	0.5
Complement 1:10	0.5	0.5	0.5	0.5

Half an hour in water bath at 37°C.

If the 1:800 dilution gives complete hemolysis in all doses, but the 1:1600 dilution does not, fresh dilutions should be prepared from 1:800 upwards by hundreds, and the same procedure carried out until the titre is arrived at.

Titration of Complement.—This must be carried out daily.

Make dilutions of complement from 1:40 to 1:100 by tens.

The following table gives method using 1:10 complement:—

Dilution	1:10 Complement	Saline
1:40	0.5	1.5
1:50	0.25	1.0
1:60	0.25	1.25
1:70	0.25	1.5
1:80	0.25	1.75
1:90	0.25	2.0
1:100	0.25	2.25

The antigen-complement and saline-complement titrations are now set up. Their purpose is to find the unit of complement, and also to indicate a suitable dilution of antigen that will probably not be anticomplementary. At first several dilutions of antigen are used, but once the correct dilution is arrived at, it only need be set up, with the saline row, in doing daily titrations.

Antigen-Complement, Saline-Complement Titration

Tube No.	1	2	3	4	5	6	7	8
Antigen (dilution)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Complement 0.1cc. of	1:40	1:50	1:60	1:70	1:80	1:90	1:100	0

This arrangement of eight tubes is set up for each dilution of antigen to be tested, and then a similar row with saline in place of antigen. This is now fixed for one hour in ice chest and then incubated 30 minutes at 37°C. in water bath, to allow for anticomplementary action of the antigen. Then add to each tube 0.1cc. of sensitized red blood cells (prepared by mixing equal quantities of 3% sheep cells in saline) with the previously found dilution of hemolysin. Incubate 15 minutes at 37°C. in water bath.

With a strong complement all tubes in the saline-complement row are hemolysed except sometimes 1:100 dil. If the complement is as low as 1:60 it has been found inadvisable to use it. On looking at the antigen-complement rows the anticomplementary power of each dilution can be seen, e.g., with antigen 1:2 and 1:10 it may be found that the last tube showing hemolysis in the 1:2 dilution is No. 4, and in the 1:10 dilution the last tube is No. 5, viz., 1:80. As this is only one tube behind the last completely hemolysed tube of the saline set it is selected as the unit, because it is the smallest quantity of complement

that will bring about complete hemolysis of 0.05cc. of a 3% suspension of cells with 0.05cc. of the titrated dilution of hemolysin in the presence of the dose of antigen to be used in the test. The titration further shows that the dilution of antigen will probably not be anticomplementary and may be used *provided that it proves strong enough on subsequent titration.* Tube No. 8 in the set is to show that the antigen will not stimulate hemolysis.

The next thing is to decide upon the number of units of complement to be used in the test and then make them up. In the test as employed in this work, 2½, 3 and 4 units were used. In order to make the dilutions so that 0.1cc. will contain the required number of units, divide the numbers into the dilution of complement, e.g., if the unit falls in 1:80 dilution and 4 units are required, divide 80 by 4=20. This means that 0.1cc. of a dilution of 1:20 will contain 4 units. If a 1:10 dilution of complement is used 1.0cc. of that dilution and 1.0cc. of saline give the units required.

Table of Units.

M.H.D. 0.1cc.	2½	3	4
1:50	1:20	1:16.66	1:12.5
1:60	1:24	1:20.0	1:15.0
1:70	1:28	1:23.3	1:17.5
1:80	1:32	1:26.6	1:20.0
1:90	1:36	1:30.0	1:22.5

The next step is to carry out the titration for specific binding power of the antigen. Known positive and negative pooled sera are used and these are diluted 1:15. This dilution has been established experimentally as the most satisfactory one for use in this test.

Titration for Specific Binding Power of Antigen.

Tube No.	1	2	3	4	5
Positive serum 1:15	0.1	0.1	0.1	0.2	...
Antigen 1:10	0.1	0.1	0.1	...	0.2
Complement	0.1	0.1	0.1	0.1	0.1
Units	2½	3	4	2½	2½

The same is set up with negative serum. The racks are left overnight in the ice chest. In the morning add 0.1cc. of mix (the mixture of blood cells and hemolysin used the previous day in the titration of complement and kept overnight in the ice box). Place in water bath at 37°C. until tubes 4 and 5 are completely hemolysed. When hemolysis has occurred the other tubes may be read. If the strength of the antigen is satisfactory there will be complete inhibition of hemolysis in tubes 1, 2 and 3 of the positive set, and hemolysis in 4 and 5 which contain double doses of serum and antigen respectively. All the tubes of the negative set should be completely hemolysed. If No. 4 shows inhibition it is due to the anticomplementary action of the serum. If No. 5 shows inhibition it is due to non-specific action of the antigen. There may be complete inhibition of hemolysis in 1, less in 2, and still less in 3, but for a satisfactory test a strong positive serum should inhibit all three. This shows the difference between a strong and a weak serum, the latter acting in varying degree on 1, 2 and 3. At first a great deal of work was necessary to establish the correct dilution of antigen and serum, as both had to be tried out together in different strengths until the most satisfactory results were arrived at.

The Test. The test itself is carried out exactly the same as the foregoing titration, the same units of complement being used, and the same dilutions of antigen and serum that were arrived at by the titration. A known positive and

negative serum is set up with each set of sera, as controls. Once the titrations have been established it is only necessary to carry out the saline-complement, antigen-complement titration with the correct dilution of antigen, make up the units of complement and set up the test. Hemolysin and antigen need not be titrated more often than every two weeks.

The following sera tested by this method and by the agglutination test give a fair idea of how the two tests compare.

Serial No.	History	Complement Fixation			Agglutination	
		1	2	3	1:50	1:100
69	9 yrs. old, last calf full time, deformed, calf before found dead in gutter	4	4	2	+	+
70	4 yrs. old, first calf full time, normal	0	0	0	—	—
71	Bought with calf at foot. Previous history not known	4	4	3	+	+
72	8 yrs. old, regular breeder, in calf	0	0	0	—	—
73	2½ yrs. old, raised by owner, never had calf	0	0	0	—	—
74	5 yrs. old, no abortions as far as known	0	0	0	—	—
75	6 yrs. old, 3 calves and in calf again. No abortions	4	4	3	+	+
76	5 yrs. old, 2 calves, no abortions	0	0	0	—	—
77	1½ yrs. old, calf of No. 70	1	0	0	×	—
78	4 yrs. old, 1 calf, no abortions	0	0	0	—	—
79	3 yrs. old, abortion suspected while at pasture. Anticomplementary				+	+
80	Bull, 3 yrs. old	0	0	0	—	—
81	12 yrs. old, regular breeder, no abortions	0	0	0	—	—
82	9 yrs. old, aborted calf at 8 months	2	1	0	—	—
83	7 yrs. old, aborted at 6 months	4	4	4	+	+
84	6 yrs. old. No history known	4	4	4	+	+
85	5 " "	3	3	2	+	+
86	7 " "	3	2	0	—	—
87	3 " "	4	4	4	+	+
88	4 yrs. old. Aborted at 7 months	4	3	0	+	+
89	3 yrs. old. No history known	2	2	0	+	×
90	9 " "	4	4	4	+	+
91	9 " "	4	4	4	+	×
92	8 " "	0	0	0	+	+
93	7 " "	4	4	4	+	+
94	4 " "	0	0	0	—	—
95	6 " "	0	0	0	—	—
96	5 " "	4	4	3	+	+
97	2 " "	1	0	0	—	—
100	10 yrs. old, no abortions as far as known	4	4	4	+	+
101	7 yrs. old, regular breeder, no abortions, exposed to infection with aborting animals	4	4	3	+	+
102	20 months old, 2 months pregnant. Has been similarly exposed	4	4	3	+	+
103	2 yrs. old, pregnant 3 months, exposed as above	4	4	4	+	+
104	Bull, 2 yrs. old	4	4	4	+	+
105	8 yrs. old, regular breeder, pregnant, exposed	4	4	4	+	+
106	2 yrs. old, due to calve in month, exposed	2	2	1	*×	+
107	3 yrs. old, due to calve, exposed	2	2	2	+	×
108	8 yrs. old, in calf, contact with aborting herd	3	3	2	+	×
109	6 or 7 months. from No. 108, exposed	2	1	0	×	—

* Pre-zone or proagglutinoid phenomenon in agglutination tubes.

Reading Agglutination.
+ = Positive.
— = Negative.
× = Incomplete reaction.

Complement Fixation.
4 = Complete inhibition of hemolysis.
3 = 75% inhibition of hemolysis.
2 = 50% " "
1 = 25% " "
0 = Complete hemolysis.

With the foregoing sera it will be noticed that the reaction paralleled the agglutination reaction with the exception of four cases. No. 79 was anti-complementary and no comparison could be made. Nos. 82 and 86 showed a slight fixation of complement and no agglutination, which might be expected with weak positive sera. No. 92 showed no fixation of complement but positive agglutination. This is peculiar, but might be due to error in recording results.

Titrations and test had previously been carried out according to the method of Hadley and Beach, and the sera thus tested were found to agree quite closely with the agglutination tests set up at the same time. The test as outlined here gave similar results when set up with the agglutination test, but no direct comparison was made between the two methods of complement fixation. The only trouble met with in using the Hadley and Beach method was in getting the antigen sufficiently strong without being anticomplementary. This may, of course, have been due to the peptone used, or some other factor in the preparation. The filtrate appeared to have good binding power and very little tendency to be anticomplementary.

Experiment with Ice Chest, Water Bath and Incubator Fixation.

In order to find out whether the water bath at 37°C. or incubator at that temperature, for a short period, would be better than ice chest fixation overnight, the test was set up with known pooled positive and negative sera, using the method of test just described.

Antigen-complement, saline-complement titration was set up and the unit of complement fell in tube 5, viz., 1:80, 2½, 3 and 4 units of complement were used. Hemolysin was used in a dilution of 1:900. Antigen used was 1:10 dilution of the regular antigen and a 1:15 dilution of a new antigen that had just been prepared. The sera and the antigen were heated for 30 minutes at 56°C. just before use.

The Test was set up as follows:—

Tube No.	1	2	3	4	5
Positive serum 1:15	0.1	0.1	0.1	0.2	...
Antigen, regular 1:10	0.1	0.1	0.1	...	0.2
Complement	0.1	0.1	0.1	0.1	0.1
Units	2½	3	4	2½	2½

The same was set up with 1:10 regular antigen, and then two more sets for the 1:15 new antigen with positive and negative serum. This was then placed away in the ice chest and the following morning 0.1cc. of mix (cells+hemolysin together overnight) was added to each tube and all placed in water bath until complete hemolysis of controls occurred.

Twenty tubes were similarly set up and placed in the incubator at 37°C. for one hour. At the end of this period 0.1cc. of mix was added and the tubes placed in the water bath until the control tubes were hemolysed.

Twenty more tubes were set up in the same way and placed in the water bath for one hour, after which 0.1cc. of mix was added and the tubes placed in water bath until controls showed complete hemolysis.

Following is the table of results, each tube in the test being shown:—

		1	2	3	4	5
Regular antigen 1:10	Pos. serum 1:15 (ice chest)	4	4	4	0	0
" " "	Neg. " " "	0	0	0	0	0
New antigen 1:15	Pos. serum 1:15 "	4	4	3	0	0
" " "	Neg. " " "	0	0	0	0	0
Regular antigen 1:10	Pos. serum 1:15 (incubator)	0	0	0	0	0
" " "	Neg. " " "	0	0	0	0	0
New antigen 1:15	Pos. serum 1:15 "	0	0	0	0	0
" " "	Neg. " " "	0	0	0	0	0
Regular antigen 1:10	Pos. serum 1:15 (water bath)	0	0	0	0	0
" " "	Neg. " " "	0	0	0	0	0
New antigen 1:15	Pos. serum 1:15 "	0	0	0	0	0
" " "	Neg. " " "	0	0	0	0	0

The new antigen 1:15 was a trifle weaker than the regular, not giving complete inhibition with 4 units of complement, but nevertheless there was a distinct positive with each antigen by the ice chest method. There was no inhibition with the incubator and water bath methods, tubes 1, 2 and 3 being as rapidly hemolysed as 4 and 5, the controls. From this it would appear that a short period for fixation at 37°C., either in water or air, would be of no use with this method.

Conclusions.

1. A broth filtrate of Bacterium abortus makes a good antigen in the test described in this paper, having strong fixing power and very little tendency to be anticomplementary.

2. Dissolved and neutralized antigens do not appear to have much fixing power.

3. The five daily intravenous injections for the production of hemolysin appear to be the most satisfactory of those methods tried.

4. Water bath and incubator fixation for short periods do not work with the modification of the test described in this paper. Ice-chest fixation overnight gives satisfactory results.

APPENDIX No. 10

THE AGGLUTINATION CURVE IN GUINEA PIGS IN RELATION TO THE DIAGNOSIS OF ABORTION DISEASE.

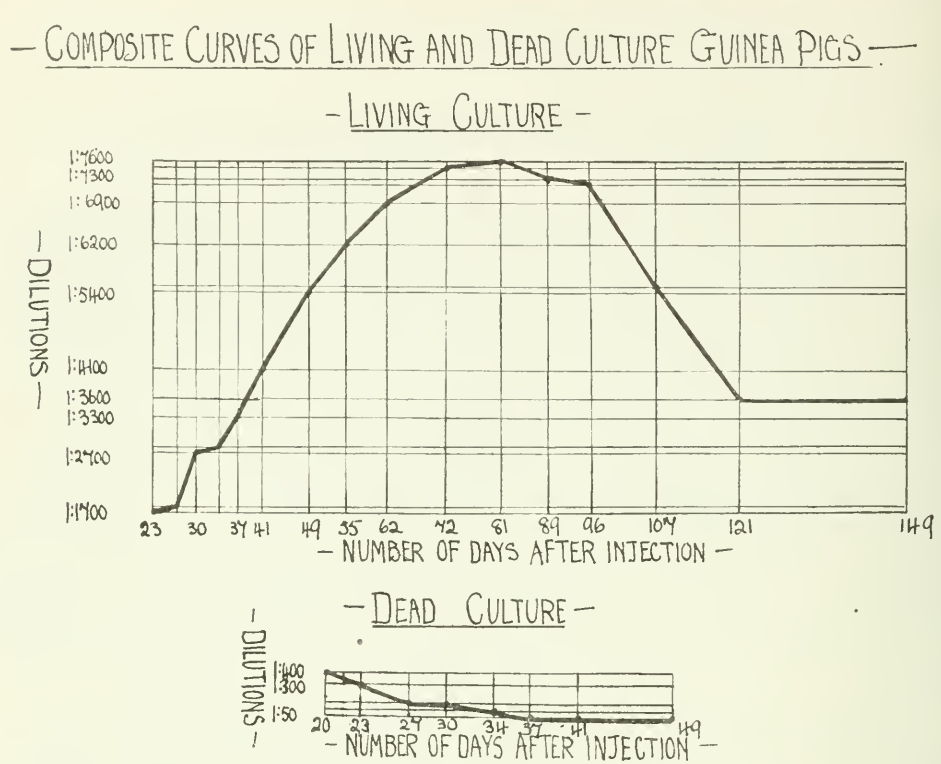
In the diagnosis of Infectious Abortion, the agglutination and complement fixation tests are of value to indicate that an outbreak of abortion is due to Bacterium abortus and may show the extent of the infection in the herd, but they do not differentiate between immune and infected animals, therefore the value of these tests as employed at present is simply to establish the fact that at some time an animal has been infected with Bacterium abortus and does not indicate whether it is still infected or has acquired an immunity to the organism. The agglutination test is generally admitted to be equally as satisfactory as the complement fixation test for this purpose and has been found so in our experiments. In view of this it was considered advisable to study the agglutination results for a length of time in order to observe whether or not there was variation between the agglutinin curves of aborting and non-aborting cows that gave positive reactions. Earlier work shows that the serum of cows that have aborted and those with no history of abortion and regular breeders, may have the same titre, so that this alone is not of value. The question arose as to whether an immune animal would have a regular curve and an infected animal an irregular curve, or whether there would be no difference. It was decided to try the experiment on guinea pigs before applying it to cattle.

Nineteen guinea pigs were employed that had been injected for another experiment. Ten of these had received a heavy intraperitoneal dose of living Bacterium abortus (about one-third of an agar slant each), and nine were given three injections about the same size of a heat killed suspension over a period of two weeks. Seven strains were used. These were grown for forty-eight hours on agar, washed off with saline solution and heated at 60 degrees C. for one hour and tested for sterility by culture and animal inoculation. Bleedings were commenced the 20th day after the infecting dose and the first dose of the killed culture had been given. This was six days after the third dose of the killed culture suspension. The guinea pigs that received the bacterin all continued to thrive, but the infected ones went down rapidly, losing weight, and some dying off.

The titre of the serum of the living culture pigs is recorded from the twenty-third day, as on the twentieth day the dilutions had not been made in a wide enough range to include the titre, that is, the highest dilution tube set up was positive, so that the highest dilution giving complete agglutination could not be arrived at. For the same reason No. 6 had to be dropped at the thirtieth day and No. 7 at the thirty-fourth day. No. 3 died at the fifty-fifth day, No. 4 at the forty-ninth day, No. 6 at the thirty-fourth day and No. 10 at the forty-ninth day after injection.

Little trouble was experienced with the dead culture pigs in making such dilutions that the titre could be readily seen. With No. 8, however, the dilutions were not low enough after the second bleeding, resulting in an incomplete reaction in the lowest dilution, and therefore this number was dropped from the experiment.

The titre of the serum is recorded in the accompanying diagrams, that is, the highest dilution in which the sera produced complete agglutination. Partial agglutination was present in much higher dilutions.



It is evident that it would be possible to pick out guinea pigs that had been injected with dead cultures and those given living cultures by a study of their agglutinin curves from time of injection with the cultures, or by their titre if the time of injection is known, but with cattle under natural conditions the agent producing either infection or immunity must be the same, namely, the living bacteria. If the living organisms disappear from the bodies of immune cows it would be reasonable to expect a dropping curve when the stimulus of their presence or products is removed, but if the only immune animal is the carrier then it is probable that there would be no difference in the curve of the immune and the cow that has aborted or will abort. It is claimed by Schroeder and Cotton that the maximum time the uterus was found infected following an abortion was fifty-one days. If the organisms disappear from the body a dropping agglutination curve might be looked for as the stimulus to agglutinin production is no longer there, but it appears more likely that the organism persists in the udder until it can reinvade the uterus, which would account for the long persistence of agglutinins and complement fixing bodies in many cows. Hagan states that he found, as reported by Fabyan, that the disease in guinea pigs produced by Bact. abortus tended towards final recovery, although many animals might die from exhaustion and complications, and that a fall in the agglutinin titre begins about the tenth week of infection, apparently in keeping with the tendency towards recovery. Our results are in agreement with these findings.

Our experiment has only gone far enough to show that the agglutinin curve in guinea pigs indicates by the titre whether or not the animal is infected or has received an injection of killed culture, but even to do this it would have

to be followed through, as the titre of a serum of an infected pig when nearly back to normal might be the same as one that had received only dead culture. This is not of value, as under natural conditions the living organism is the only agent under consideration, and the titre in cattle has been previously shown not to be of value in deciding between infected and immune animals.

Work by Hagan already quoted shows that in infected guinea pigs kept six months only a few colonies of Bact. abortus develop from the spleen and none from other organs and that the agglutinin curve had been falling slowly but definitely. The questions are: Would the recovered pigs be immune? Would any agglutination reaction persist in an apparently recovered animal and in such an event would it mean the presence of living organisms in the body? Would the curve be characteristic of infection as opposed to immunity, apart from the titre, which is not applicable in cattle?

No conclusions are offered here, but simply what has been done and what might possibly be deduced from it after further work along the same lines.

The agglutinin curve of cattle of known history should be followed through. If not of practical value in differentiating between infected and immune it might at least give further information on this test and what it indicates.

Even if this method were of value it would appear to be impracticable except in the case of more valuable animals on account of the number of bleedings and tests necessary.

Bleeding Guinea Pigs.

Guinea pigs were bled as advocated by Hagan, which method was found to be very satisfactory. One of the ears is rubbed briskly to increase circulation. In the majority of cases xylol was not used as it tends to harden the ear and make future bleedings difficult. A vein is stabbed with the bleeding needle of a Dare hemoglobinometer set. A good flow of blood usually occurs. The blood is collected in a 0.1 c.c. pipette. Two pipettefuls are delivered into 1.8 c.c. of 0.85 per cent. salt solution containing 2½ per cent. sodium citrate and shaken. This makes a dilution of the blood of 1:10. This is placed in the ice chest and the clear liquid pipetted off the following day. It is found necessary to shake the tubes again after they have been in the ice chest an hour or two. If this is not done a clear, jelly-like clot sometimes forms. Serum dilutions are considered as being twice the dilution of the whole blood.

Dilutions.—The citrated liquid collected represents roughly a 1:20 dilution of serum. From this other dilutions are made as required, e.g.: For low dilutions 1.0 c.c. of 1:20 added to 1.5 c.c. saline makes a dilution of 1:50. To this is added an equal quantity of antigen, making a dilution of 1:100. For high dilutions 1:100 is first made by taking 1.0 c.c. of 1:20 and 4.0 c.c. of saline. From this dilution others are made as required. To make 1:1600 take 0.2 c.c. 1:100 and 1:4. c.c. saline which makes a dilution of 1:800. 1.0 c.c. of this is placed in a test tube and 1.0 c.c. antigen added, making the required dilution. 0.1 c.c. can be used, but does not make a large enough quantity until the high dilutions are reached.

Antigen.—The antigen is a suspension of 7 strains of Bacterium abortus in 0.85 per cent. saline solution preserved with 0.5 per cent. phenol. It is diluted to a standard made by suspending 0.0003 gm. per c.c. of saline solution and similarly preserved. We have not observed any permanent cloudiness due to the use of phenol, but there appeared to be an inhibition of agglutination with the same antigen preserved with 0.25 per cent. formalin in the only case where it was purposely tried. This was a positive cattle serum. (No 418). This was

set up in duplicate dilutions of 1:50, 1:100, 1:200, 1:400, 1:800 and 1:1600. The same antigen was used in each case, one portion being preserved with 0.5 per cent. phenol and the other with 0.25 per cent. formalin.

In the former complete agglutination occurred in 1:800, while in the latter it was complete in 1:400 but incomplete in 1:800. Further work is required to decide as to the merits of these preservatives.

This antigen when added to an equal quantity of the serum dilution gives a very light suspension, which may account for the high titre of the sera. However, the same antigen was used with all sera so the comparative work is not influenced by this.

APPENDIX No. 11

THE ABORTIN TEST IN GUINEA PIGS IN RELATION TO THE DIFFERENTIATION OF INFECTED AND IMMUNE ANIMALS.

As pointed out in Appendix No. 10, no test is known for the differentiation of immune cattle and those that will abort. Work published by Stafseth in recent years rather pointed to the fact that the abortin test might be revived as an indicator of infected animals. The test had passed into disuse on account of the fact that it only picked a certain proportion of the animals giving a reaction by the serological tests. Stafseth suggested that the reason for this might be that the abortin test only picked out the infected animals whereas the serological tests picked out both infected and immune. His experimental work was carried out with guinea pigs.

In view of the great value such a test would be it was decided to conduct a similar experiment with guinea pigs at first and later with cattle if results justified it. Early in the experiment it was seen that giving live organisms to one set and dead ones to another differed widely from field conditions where the only agent is the living organism, and it became obvious that even if this test could be applied to guinea pigs it would not be applicable to cattle because, whether infected or immune, the condition would be due to living Bacterium abortus. The experiment was carried through as follows:—

Thirty guinea pigs were used. These were divided into three lots and widely separated to avoid the danger of infection. Ten pigs were given an injection of 1.0cc. of a fairly heavy suspension of living Bacterium abortus. Ten pigs received three doses of heat-killed suspension of Bacterium abortus over a period of two weeks, and the last ten pigs were left as controls.

Eighteen days after the last injection all pigs were bled from the ear into sodium citrate solution after the method advised by Hagan and the agglutination test set up the next day on the sera in dilutions of 1:50 and 1:100.

At the time of bleeding all pigs were injected with abortin as used by Reichel and Harkins, namely a heat-killed suspension of Bacterium abortus in salt solution. The abortin was injected intradermally on a shaven area of the belly and also in the ear. Reactions on the belly were quite distinct but some of those on the ear were rather doubtful.

The following table gives the results of the agglutination test at 48 hours and abortin results at 48, 72 and 120 hours:—

Results of Agglutination and Abortin Tests.

	Pig No.	Agglutination		Abortin		
		1:50	1:100	48	72	120
Living	1	+	+	+	+	—
	2	+	+	+	+	—
	3	+	+	+	+	+
	4	+	+	+	+	—
	5	+	+	+	+	+
	6	+	+	+	+	+
	7	+	+	+	+	—
	8	+	+	+	+	—
	9	+	+	+	+	+
	10	+	+	+	+	—
Dead	11	+	+	—	—	—
	12	+	+	—	—	—
	13	+	+	—	—	—
	14	+	+	—	—	—
	15	+	+	—	—	—
	16	+	+	—	—	—
	17	+	+	—	—	—
	18	+	+	—	—	—
	19	+	+	—	—	—
	20	+	+	—	—	—
Controls	21	—	—	—	—	—
	22	—	—	—	—	—
	23	—	—	—	—	—
	24	—	—	—	—	—
	25	—	—	—	—	—
	26	—	—	—	—	—
	27	—	—	—	—	—
	28	—	—	—	—	—
	29	—	—	—	—	—
	30	—	—	—	—	—

+ Positive abortin-reaction or complete agglutination.
— No abortin-reaction or no agglutination.

From the foregoing table it is seen that group 1, the living culture pigs, all gave complete agglutination and also a distinct abortin reaction. Group 2, the dead culture pigs, gave complete agglutination but no abortin-reaction. Group 3, the uninoculated controls, gave neither agglutination not abortin-reaction.

The abortin-reaction consisted of a small but distinct swelling the size of a split pea which appeared between 24 and 48 hours and persisted in all cases for 72 hours, in 4 cases for 120 hours and in 2 for a longer period. No area of necrosis formed as reported by Stafseth.

Our experiment agreed with the results of Stafseth in as far as guinea pigs were concerned but for reasons already pointed out it was decided that it was useless to attempt to apply the test to cattle with the idea of differentiating the infected from the immune and this was confirmed when in conversation with him at the A.V.M.A. meeting at Montreal.

Conclusions.

1. Nothing new has been developed regarding the use of the abortin test in cattle.

2. This test while differentiating between guinea pigs that have been infected and those injected with dead cultures would not differentiate between infected and immune cattle because both infection and immunity under natural conditions are due to the action of living Bacterium abortus.

APPENDIX No. 12

CULTURES OTHER THAN BACTERIUM ABORTUS AGGLUTINATED BY ANTI-BACTERIUM ABORTUS SERUM.

It has been the practice to identify colonies of Bact. abortus on plates by Krumwiede's method, that is, by mixing a colony in a loopful of saline and adding to it a loopful of a high-titred anti-Bacterium abortus serum. During this routine work a colon colony was isolated which agglutinated readily with the anti-abortion serum. Later Schofield found a colony of Pseudomonas pyocyanea that acted similarly. This result naturally gave rise to a number of questions, some of which are as follows:—

Do cattle have natural agglutinins against Bact. coli and Ps. pyocyanea?

Does Bact. abortus stimulate agglutinins against Bact. coli and Ps. pyocyanea as well as itself?

Do Bact. coli and Ps. pyocyanea stimulate agglutinins against Bact. abortus? A most important question in relation to diagnosis.

Are these cultures unique or do other cultures of Bact. coli and Ps. pyocyanea act similarly?

Is it safe to use a positive serum to identify colonies?

Work was commenced and carried on in odd moments with the object of answering some of these questions. Following is a summary of the experiments so far tried:—

1. Identification of Colonies.

The cultures reported on were run through the necessary media and shown to be Pseudomonas pyocyanea by Buchanan's description and Bacterium coli by Levine's description of that organism.

2. The Effect of Positive Sera in Dilutions up to 1:200.

Nine positive sera that were on hand were set up in dilutions of 1:50 and 1:100 (the usual diagnostic dilutions) and one in a dilution of 1:200. All gave clear-cut positives in twenty-four hours.

3. Agglutination with Twenty-Four Cattle Sera from Abattoir.

Twenty-four cattle sera obtained at an abattoir were set up in dilutions of 1:50 and 1:100 using antigens prepared from Bact. abortus, Bact. coli and Ps.

pyocyanea. In addition, eight of these sera were set up in dilutions of 1:400 and 1:800 with the last two antigens. Following are the results:—

Bacterium abortus antigen—1 serum was positive in 1:100, 2 incomplete in 1:50, and 21 negative.
Bact. coli antigen—24 were positive in 1:100 dilution, 3 were positive in 1:400 and 1:800 dilutions.
Ps. pyocyanea antigen—In 1:100 dilution 20 were positive, 2 incomplete and 2 negative. In 1:50 dilution 22 were positive and 2 incomplete. In 1:400 1 was incomplete. No agglutination in 1:800.

This experiment showed that sera negative to Bacterium abortus would agglutinate the other two in fairly high dilutions.

4. Experiment with Immune Rabbit Sera.

Three rabbits were bled and their blood serum tested out against the three antigens with negative results. The first rabbit was then immunized against Bact. abortus, the second against Bact. coli and the third against Ps. pyocyanea. Blood was again collected and agglutination tests set up in dilutions of 1:50 and 1:100 with the following results:—

Anti-Bacterium abortus serum agglutinated Bacterium abortus but not the other two.

Anti-Bacterium coli serum agglutinated Bacterium coli but not the others.

Anti-Ps. pyocyanea serum agglutinated Ps. pyocyanea but did not affect the others.

Normal rabbit serum did not cause agglutination and the immune sera were specific for their own antigens.

5. Agglutination with Four Normal and One Anti-Abortion Horse Serum.

Four normal horse sera agglutinated Bact. coli and Ps. pyocyanea in 1:50 and 1:100. They did not agglutinate Bact. abortus.

One anti-Bact. abortus horse serum agglutinated all three antigens.

6. Experiment with Heated and Unheated Anti-Abortion Serum.

A high-titred anti-abortion serum was divided into two parts. One was heated about 65°C. for half an hour and the other left unheated. The test was set up 1:50 and 1:100 with all three antigens.

The unheated serum agglutinated all three. The heated gave an incomplete reaction with Bact. abortus and negative with the other two.

7. Absorption Test.

A cattle serum positive for Bact. abortus was diluted 1:50 and 1:100 and each dilution divided into four portions. To one was added one slant of Bact. abortus to 20.0cc. of dilution. To another a slant of Bact. coli, and to the third a slant of Ps. pyocyanea. The fourth was left untouched. This was repeated with the other four portions. Forty-eight hours later the suspensions were centrifuged and the liquids drawn off. Each absorbed dilution was then set up in 1:50 and 1:100 and to them was added sufficient 48-hour growths of the cultures under consideration to make the usual turbidity. Each absorbed

dilution was set up with the three cultures. The unabsorbed portion was also set up with the three cultures.

Complete agglutination occurred in the 1:50 and 1:100 dilutions of the unabsorbed serum.

No agglutination occurred in any of the absorbed dilutions, pointing to the fact that the reactions were due to some form of agglutinin.

It is yet necessary to try the complement fixation test with these cultures and also to isolate a number of similar cultures and observe whether they are also agglutinated. No agglutination occurs with the half dozen cultures of the same bacteria already tried. No auto-agglutination occurs, both cultures making very stable antigens that stand up for months.

APPENDIX No. 13

ROUP AND CANKER EXPERIMENTS.

During the fall and winter of 1922-23 a number of cases of roup and canker were examined from a bacteriological standpoint with the following questions in mind:—

1. Are epithelioma contagiosum, avian diphtheria and roup due to the same virus?
2. Is there a constant organism in these diseases?
3. Will the blood of these cases agglutinate any of the bacteria isolated?
4. In the event of such an organism being found will it afford any protection against natural infection?
5. Is the cocco-bacillus reported by Nakamura present in the avian diphtheria in this country?

Following is an outline of the experiments conducted under this series:—

Experiment 1. Three eye lesions, two throat and tongue lesions and two nasal discharges were cultured by aerobic technique. All the organisms isolated were rubbed into the eye, nose and throat of cockerels. No lesions developed and the birds remained in perfect health.

Blood was collected from one case and agglutination tried with undiluted serum on ten cultures of organisms isolated in this experiment. The serum failed to agglutinate any of the antigens prepared.

Experiment 2. Aerobic cultures were made from the larynx in a bad case of canker. Three organisms were isolated. These were separately rubbed into the mouth, tongue and around the larynx of three cockerels. A mixture of the three was similarly rubbed into another bird. The areas were then lightly scarified.

The birds remained healthy and no lesions developed in the mouths.

Experiment 3. Canker material from a sick hen was rubbed into mouth and throat of a cockerel and scratched in with a light wire scarifier.

No lesions developed from this original material.

Experiment 4. Aerobic cultures were made from a sick hen. Five organisms were isolated. These were tried on birds separately and mixed but with no results.

Experiment 5. Aerobic and anaerobic cultures made from a case of roup. An old case and atypical in that the odour was absent. Four organisms isolated by aerobic technique were tried as in experiment four without results.

No growth occurred in the anaerobic cultures.

Experiment 6. Aerobic cultures were made from a typical avian diphtheria membrane and two organisms were isolated which were rubbed into the mouth and throat of one bird and right into the larynx of another.

No lesions were produced.

Conclusions.

The results of these experiments would give the impression that the causative agent in these cases was not one that could be grown by ordinary aerobic or anaerobic technique, that it was overlooked, that the cases were too old, or that the experimental birds used were immune and therefore unsuitable. Experiment three is indicative of the last mentioned because the actual material itself did not infect the experimental birds, and for this reason alone these experiments are inconclusive. Work along these lines will be continued as opportunity offers.

APPENDIX No. 14

CHICKEN-POX VACCINATION EXPERIMENT.

In view of the losses yearly from chicken-pox it was decided to try out the value of vaccination from a preventive and curative standpoint. The first vaccine selected for trial under local conditions against natural infection was the scab vaccine. Opinions differ regarding the prophylactic and curative value of this vaccine. Beach strongly advocates its use to check the spread of the disease in flocks already infected. The duration of the immunity is said to be from two months to two years, so that vaccinating on the general principle of protecting against a possible outbreak might not be successful. Fuller found the vaccine to have more of a preventive than a curative value, although beneficial results were obtained by its use as a curative agent. Boerner and Stubbs report that with them the vaccine has not been of practical value in controlling chicken pox. Mack and Records report its use as satisfactory in checking outbreaks. Others might be quoted on both sides.

Virus was obtained from California and also from birds sent in from points in Ontario. The virus was propagated and vaccine prepared after the method of Beach. Following is a brief account of the work done to date:

Propagation of Virus.

Experiment 1. In order to produce enough fresh virus for vaccination purposes, Californian virus was made into a paste with sterile water, and the combs of eleven birds were scarified and the virus rubbed in. In seven days lesions were developing on all combs, but within another week they commenced to dry up and drop off. Only two birds produced a sufficient quantity to collect. The others simply scaled off. Evidently the birds were immune to the infection as the same virus used later on other birds produced lesions.

Propagation of Virus.

Experiment 2. Ten chickens were inoculated with virus as follows:

Five with Californian virus.
Three with Canadian virus (collected about three weeks previously).
Two with virus collected in experiment one.

These birds produced a fair crop of scabs considering the smallness of the comb space.

Propagation of Virus.

Experiment 3. Six cockerels were inoculated with virus as before:

Two with Californian virus.
Two with Canadian virus.
Two with virus collected in experiment one.

A very good crop of scabs was collected in two weeks, dried and ground.

Immune Serum.

Experiment. 4. Two recovered cockerels from experiment three were bled out and their serum collected and preserved with phenol in ether. This serum had no protective power.

Prophylactic Vaccination.

Experiment 5. A number of birds were vaccinated by different methods with the object of later exposing them to infection to observe the protective power of the different methods.

Pen 1. Vaccine Prepared According to the Method of Beach.

Forty birds were vaccinated with California virus vaccine.
Forty birds with Canadian virus vaccine.
Half the survivors of each of these lots were vaccinated a second time, forty-two days after the first vaccination.
Thirty were left unvaccinated.

Pen. 2. Living Virus and Serum.

Five birds were given virus subcutaneously.
Five had virus scratched into the comb.
Ten had virus and serum subcutaneously.
Ten had virus scratched into comb and serum subcutaneously.

A considerable number of birds died. Some had received living material, some vaccine, and as many had not been given anything. The birds in this experiment had been used for feeding experiments previously and were also too closely confined during the present work, and we believe the losses to be due to these factors. This will be considered in detail in the completed report.

These birds will be exposed to infection when the opportunity of obtaining naturally infected fowl arises. Work will also be tried as to the curative power of the vaccine and a detailed report will be submitted.

FIRST ANNUAL REPORT

PROBATION OFFICERS

OF

COUNTY OF YORK

INCLUDING

CITY OF TORONTO

1923

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1924

PRODUCED BY
The United Press
LIMITED
TORONTO
CANADA

The Honourable, the Attorney-General,
Legislative Buildings,
Toronto.

Dear Sir:

I have the honour to send you herewith the First Report of the Ontario Probation Department to October 31st, 1923.

I have the honour to be,

Your obedient servant,

H. S. Mott,
Chief Probation Officer.

To The Honourable Henry Cockshutt,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to transmit herewith the First Annual Report of the Ontario Probation Department for the year ending October 31st, 1923.

Respectfully submitted,

W. F. Nickle,
Attorney-General.

PROBATION OFFICERS

Mr. H. S. Mott.
Mrs. Agnes Browne.
Major J. B. Grimshaw.
Mr. O. St. G. Freer.
Mr. M. P. Everett.
Mr. Wm. Badley.

INVESTIGATING OFFICERS

Dr. G. W. Anderson.
Mrs. Mildred Kensit.
Miss M. A. Macdonald.

CLERK

Miss Bertha Maddaford.

Probation for adult offenders in the various criminal adult courts was started in Toronto, for the City and the County of York on November 22nd, 1922. This was made possible by an Act of the Legislature known as *The Probation Act*, being Chapter 103, 12-13 Geo. V, and which will be found in part in Appendix 1. This Act was brought into operation to give the various courts a chance to use section 1081 of the Dominion Criminal Code with its amendments, see Appendix 2.

The staff is composed of Probation Officers to do the probational work and an Investigating Department.

The general method of procedure is as follows. After the court has found the person guilty, the case is adjourned to give the Investigating Department a chance to make a study of the individual, the object being to make a careful survey of the causes of his anti-social conduct. The doctor makes a study of the person's mental background while the social worker studies the social area, and how the person reacted to his environment. This is submitted to the doctor who in turn submits a report to the presiding judge or magistrate. If the court then considers probation a satisfactory solution, the person is placed on probation to the officer connected with that court. As now organized, we have an officer in each of the following courts: City Police Court, Women's Court, County Police Court and the County Judges Criminal Court.

It is only fair to say that the type of individual has much to do in determining who should be put on probation, as well as the offence committed. There are some persons who although guilty of minor offences will not respond to probation, while there might be others guilty of much more serious offences, but who would respond. This makes a careful study of each individual an essential in determining who should be placed on probation. The Investigating Department should assist the court to determine whether the individual would respond, and the Probation Department should assist the person to rehabilitate himself back into society.

Probation then, aims to reinstate the individual and to assist him to get rid of his anti-social conduct. The Investigating Department should diagnose and the Probation Department treat. It also aims to do this without committing the individual to custody, but rather to aid him to adjust himself to the environment in which he should continue to live. The Probation Officer must know his individual, must appreciate his weakness, but also must know his strength, and must seek to aid the person to overcome the former, by learning to have faith in the latter.

Some of the Subsidiary Aids.

The officers have endeavoured to find suitable employment so as to aid the person to have faith in himself. Here the Investigating Department can be of much service in aiding the officer and the person to decide what he is most fitted to do. During the year, 123 persons were aided in securing employment.

We have also a library of over 200 volumes and thereby attempt to assist the person to profitably employ his spare time, and at the same time offer to him beneficial amusement.

It should be added that the Department is open two evenings each week to allow the probationers to come to the officer and not interfere with their regular employment. The officer also visits the home of the probationer regularly.

During the year, from November 28th, 1922 to October 31st, 1923, 436 people were placed on probation as follows:

Adult Police Court	249
Women 's Police Court	82
Court of General Sessions	58
County Police Court	47
Total	436

Of the 436, 345 or 79.13 per cent. were men and ninety-one or 20.87 per cent. were women.

One noticeable feature is that 157 or 36.01% were under twenty years of age, 128, or 29.36 per cent. were between the ages of twenty and twenty-five, and 151 or 34.63 per cent. were over twenty-five years of age. In other words, probation is being applied to the young offender rather than the old and hardened criminal.

It is also worthy of notice that the 436 probationers had 425 persons directly dependant upon them.

Repeaters.

Of the probationers received from the various courts, only twenty-one or 4.81 per cent. were repeaters, or had to be brought back to the court and dealt with for failing to comply with the request of the officers.

Expenses.

The average length of the probationary period of the 436 persons is one and a fifth years. Considering the length of period of probation, one year, the annual cost of caring for a person found guilty in our adult courts is $28.36 each.

The Probation Department wishes to express its sincere thanks to Judges Coatsworth and Denton, Magistrates Jones, Dr. Patterson, Cohen and Brunton, and Major Armour and his assistants, and to the Chief of Police Dickson and his staff, who have assisted us in every way, and to all others who have aided us in any way during the year.

Appended to this report will be found letters from Judges Denton and Coatsworth, Major Armour, and Major Brunton, as to their opinion of the work of the Probation Department during the year 1923. There is also to be found copies of letters whose originals we have on file, from those who have been either directly or indirectly helped by the work of the Probation Officers.

Investigating Department.

During the twelve months ending October 31st, 1923, there was one officer, Mrs. Kensit, giving full time to investigating. Dr. Anderson gave about half time to cases for the Adult Courts, and Mrs. McBroom gave part time to typing and secretarial work. Part time was given by all the Probation Officers to investigating.

Since October 31, another officer, Miss Macdonald, was taken on the staff and an investigating department organized. It consists at present of Dr. Anderson, Miss Law (Juvenile Court), Mrs. Kensit and Miss Macdonald (Adult Court), and Mrs. McBroom, secretarial and office interviewing.

A much greater proportion of cases are being investigated by the Department and the Probation Officers are doing relatively less investigating work. County Court and Court of Assizes investigations are still done by their own Probation Officers, but practically all Police Court and Women's Court work is done by the investigating department.

Twelve Months Ending October 31st, 1923

Cases investigated and placed on probation	318	
Number of interviews and contacts made		963
Cases investigated with dosposal other than probation	349	
Number of interviews and contacts made		956
Total cases investigated	667	
Total number of interviews and contacts		1,919

STATISTICS

ADULT COURT PROBATION DEPARTMENT

November 28th, 1922—October 31st, 1923.

Probationers received from Adult Police Court		249
Probationers received from Women's Police Court		82
Probationers received from Court of General Sessions		58
Probationers received from County Court		47
Total		436
Number of men placed on Probation	345	79.13%
Number of women placed on Probation	91	20.87%
Total	436	

Convicted of the Following Offences.

Drunkenness	30	Fraud	12
Theft	235	Indecent assault	4
Keeping common bawdy house	3	Non-support	7
Found in a bawdy house	2	Criminal Negligence	5
Aggravated assault	8	Attempted suicide	3
Shopbreaking	4	Abduction and theft	1
Vagrancy	10	Joy riding	14
Perjury and seduction	3	Beastiality	1
Indecent exposure	4	Disorderly conduct	19
Receiving stolen goods	10	Attempted robbery	4
Housebreaking	13	Forgery	3
Obstructing the Police	1	Assault	9
Arson	1	False pretences	3
Attempt to pervert or obstruct course of justice	1	Immorality	4
Cruelty	2	Contributing to delinquency	2
Pickpocket	1	Trespassing	2
Robbery	2	Keeping common betting house	2
Damaging property	2	Wounding	1
Issuing fraudulent cheques	2	Bigamy	1
Seduction	2	Attempted housebreaking	1
Blackmailing	1	Living on the avails of prostitution	1
Total			436

Number of Probationers discharged:		
Honourably		55
Repeaters (re-appeared in Court)		21
Total		76
Number of men discharged		56
Number of women discharged		20
Total		76
Number of married Probationers	156	35.78%
Number of single Probationers	280	64.22%
Total	436	
Number of dependants		425
Number of Probationers under 20 years of age	157	36.01%
Number of Probationers between 20 and 25 years of age	128	29.36%
Number of Probationers over 25 years of age	151	34.63%
Total	436	

Appendix 1

THE PROBATION ACT

3. (1) For the purpose of giving effect to section 1081 of the Criminal Code and amendments thereto, it shall be the duty of the Probation Officer and he shall have power with regard to any person convicted at a sittings of the High Court Division for the trial of criminal cases or at the General Sessions of the Peace, or the County Judges' Criminal Court, or at the court of any Police Magistrate or Justice of the Peace or by a Juvenile Court in the county or district:

(a) To procure and report such information as to the antecedents, family history, previous convictions, character of employment and other information respecting any person so convicted as the court may require;
(b) To supervise under the direction of the court before whom such person was convicted the employment, conduct and general condition under which the person so convicted may be placed during the period of probation imposed by the court;
(c) To see that any person so convicted reports from time to time as the court may prescribe and to report to the court if the person so convicted is or is not, carrying out the terms on which sentence is suspended, and to see that such person in case of such default, is brought again before the court for sentence;
(d) To see that any person so released on suspended sentence duly makes restitution and reparation;
(e) To see that any person so convicted while on probation duly carries out any order of the court requiring him to make due provision for the support of his wife and any other dependents for which he may be liable;
(f) To do all such other things as may be directed by the court or by the regulations made under the authority of this Act.

(2) In the performance and exercise of the powers imposed by or under subsection 1, the Probation Officer and any assistant of the Probation Officer shall be ex-officio a provincial police constable.

4. For the purposes of this Act the Probation Officer and his assistants shall be deemed to be officers of every such court in the county or district for which they are appointed and shall be amenable to, and shall carry out the directions of the Judge, Magistrate or Justice presiding in such court.

Appendix 2.

SUSPENDED SENTENCE.

1081. In any case in which a person is convicted before any court of any offence punishable with not more than two years' imprisonment, and no previous conviction is proved against him, if it appears to the court before which he is so convicted, that, regard being had to the age, character, and antecedents of the offender, to the trivial nature of the offence, and to any extenuating circumstances under which the offence was committed, it is expedient that the offender be released on probation of good conduct, the court may, instead of sentencing him at once to any punishment, direct that he be released on his entering into a recognizance, with or without surities, and during such period as the court directs, to appear and receive judgment when called upon, and in the meantime to keep the peace and be of good behaviour.

2. Where the offence is punishable with more than two years' imprisonment the court shall have the same power as aforesaid with the concurrence of the counsel acting for the Crown in the prosecution of the offender.

3. The court may, if it thinks fit, direct that the offender shall pay the costs of the prosecution, or some portion of the same, within such period and by such instalments as the court directs. 63-64 V, c. 46, s. 3.

4. Where one previous conviction and no more is proved against the person so convicted and such conviction took place more than five years before that for the offence in question, or was for an offence not related in character to the offence in question, the court shall have the same power as aforesaid with the concurrence of the counsel acting for the Crown in the prosecution of the offender. (1909, c. 9.)

(5) The court in suspending sentence may direct that the offender shall be placed on probation for such period and under such conditions as the court may prescribe, and may from time to time increase or decrease such period and change such conditions, and that during such period the offender shall report from time to time as the court may prescribe to any officer that the court may designate, and the offender shall be under the supervision of such officer during the said period, and the officer shall report to the court if the offender is not carrying out the terms on which the sentence is suspended, and thereupon the offender shall be brought again before the court for sentence. The offender may also be ordered to make restitution and reparation to a person or persons aggrieved or injured by the offence for which he was convicted for the actual damage or loss thereby caused, and the offender may while on probation be ordered as one of said conditions to provide for the support of his wife and any other dependent or dependents for which he is liable. (1921, c. 25.)

Toronto, Dec. 4th, 1923.

Dear Sir:

In regards to the probation system, I think it is wonderful for any man that gets into trouble. It keeps them away from harm while on probation and from form of habit after they are suspended.

I am more than pleased at my husband's conduct since he was put on probation—he couldn't be better. He thinks of nothing but his home now, where before he would go out with other boys.

I can truthfully say I like the probation system and I hope it will always be respected by any one on probation and also their families.

From one who is thankful for Probation.

Dear Friend:

I received your letter and I hardly know how to answer it to show my appreciation for probation and what it has done for me. When I first made my mistake I did not realize what the consequences would be and how it would harm a person's reputation until it was too late and then I would have given anything to undo what I had done. I went through awful agony from the first day of my trial—it was an awful disgrace for my wife's people, my own, and myself. Then I got a little information that we may have a chance for probation. I was sure a happy fellow and I swore then if I got out on probation that you would never regret it and then the day came when we were put on probation and to see the joy on my parent's faces and my wife's made me more determined than ever that they would not go through such sorrow again. Probation is a wonderful idea I think. It was certainly a gift from Heaven to me and I'll never forget it. Well, I hope you receive this letter in time, also that you are in the best of health. My wife and I are fine. I am working steady, we are very busy now on the railroad. I think I had better close for now. My wife and I wish you a Merry Xmas, so good-by.

Sincerely yours,

January 8th, 1924.

His Honour Judge Mott,
Juvenile Court, City.

My Dear Judge Mott:

Your favour of the 4th inst. asking for my views as to the success of probation in the General Sessions and County Court Judges Criminal Court in which I sit was duly received.

In reply I beg to say that in my judgment probation with us has worked out very satisfactorily and given a means of dealing especially with first offending prisoners and keeping a control over them that we did not have before, and I believe there are many being saved to society by being put on probation.

With kind regards and wishing you a very Prosperous New Year, I remain.

Yours sincerely,

E. Coatsworth.

January 7th, 1924.

H. S. Mott, Esq.,
Chief Probation Officer,
Toronto.

Dear Sir:

At the beginning of the New Year a few words of commendation of the work of the Probation Officer and his staff during 1923 will not be out of place. The system is, I think, working very well. It renders a valuable service in the administration of criminal justice in at least two respects:

First, it affords a means whereby a judge or magistrate after conviction, but before sentence, can acquire reliable information as to the antecedents, family history, &c., of the prisoner with a view to imposing the proper punishment.

Secondly, it provides for the judge or magistrate being supplied with information as to whether—if sentence is suspended and he is placed on probation—the accused is complying with the terms or conditions on which his sentence was suspended.

In both these respects I have found the members of your staff with whom I have come in contact painstaking and reliable.

Wishing you a Happy New Year, I am,

Yours truly,

J. H. Denton.

January 8th, 1924.

His Honour Judge Mott,
Chief Probation Officer,
90 Albert Street, Toronto.

Re Probation System:

Dear Judge Mott:

The system whereby first offenders are placed on probation of good conduct, can be of the greatest value in the administration of justice. Not only is the State thereby saved the cost of maintaining these offenders in jail, but the offender himself is given a fair opportunity of rehabilitating his character under the guidance of the probation officer, and subject to the conditions prescribed by the Court. As a corrective system for youthful first offenders, its great value lies in the fact that the probationer is subject to the direction and control of the probation officer and escapes the demoralizing effects often attendant upon jail sentences.

If proper care is exercised in selecting the offenders to be placed on probation, and the probationers are sympathetically but firmly dealt with during their probationary periods, splendid results may be looked for in the treatment of the youthful offender.

That the probation system under your direction has made an excellent start is, I think, evident from the result of last year's work. The small percentage of probationers who relapsed ndicates that it is working well and look for even better results in the future.

Yours faithfully,

Eric Armour,
Crown Attorney.

January 7th, 1924.

Mr. H. S. Mott,
Juvenile Court,
Toronto.

My Dear Judge:

I beg to acknowledge your letter of the 4th inst., concerning the question of the Probation System for York County and the City of Toronto, and in reply must express my hearty appreciation for the work done by you and your associates in connection with the matter.

It is a source of great strength to a Criminal Court where people are charged with first offence to be able to put them on Probation, and the result in many of the cases has been to re-establish the delinquent in a life of profitableness and decency.

I have nothing but words of praise for the efficiency and competency of the officers in connection with your system.

Yours sincerely,

T. H. Brunton,
Police Magistrate.

ANNUAL REPORT

OF

The Commissioner of the Ontario Provincial Police

1923

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO

Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty

1924

PRODUCED BY
The
United Press
LIMITED
TORONTO
CANADA

To His Honour Henry Cockshutt, Esq.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour the Report of The Commissioner of the Ontario Provincial Police for the year ending 31st October, 1923.

Respectfully submitted,

W. F. Nickle,
Attorney-General.

Attorney-General's Department,
February 22, 1924.

ONTARIO PROVINCIAL POLICE

Commissioner
MAJOR-GENERAL V. A. S. WILLIAMS, C.M.G.

Assistant Commissioner
A. CUDDY

Chief Financial Officer
J. F. MOWAT

Staff Inspector
A. T. PAXTON

Provincial Inspectors
W. S. BLACKWALL F. E. ELLIOTT
W. C. KILLING

Criminal Investigation Branch
W. D. GREER, Senior Inspector

Inspectors
J. MILLAR A. B. BOYD W. H. STRINGER
A. H. WARD E. D. L. HAMMOND

Inspectors in Charge of Districts

No. 1	District,	Windsor	Inspector J. H. Putman.
No. 2	"	Niagara Falls	" C. F. Airey, M.S.M.
No. 3	"	Kitchener	" J. McCaffrey.
No. 4	"	Toronto	" F. Hughes, M.M.
No. 5	"	Belleville	" R. Bumpstead, M.S.M.
No. 6	"	Ottawa	" C. A. Jordon.
No. 7	"	Cobalt	" W. T. Moore.
No. 8	"	Sudbury	" A. E. Storie.
No. 9	"	Port Arthur	" W. H. Lougheed.

Annual Report of the Commissioner of the Ontario Provincial Police

ONTARIO PROVINCIAL POLICE,
Headquarters, Toronto, December 30, 1923.

THE HONOURABLE THE ATTORNEY-GENERAL,
Parliament Buildings, Toronto, Ontario.

SIR,—I have the honour to submit herewith my annual report for the year ending October 31, 1923.

STRENGTH AND DISTRIBUTION OF THE FORCE ON OCTOBER 31st, 1923.

	Commissioner.	Asst. Commissioner.	Chief Financial Officer	Staff Inspector.	Provincial Inspectors.	Inspectors C.I.B.	District Inspectors.	Sergeants.	Provincial Constables.	Provincial Constables, (Motor-Cycle Squad)	Chief Inspector O.T.A.	Prov. Inspectors O.T.A.	Inspectors O.T.A.	Prov. Officers O.T.A.	Total.	Insp. of Automobiles.	Chauffeurs.	Clerks.	Vehicles. Motor Cars.	Vehicles. Motor-cycles.
Headquarters..	1	...	1	...	1	...	...	...	1	.....	...	...	...	...	4	1	4	7	3	...
Criminal Investigation Br.	...	1	...	...	...	6	...	...	...	.....	...	...	...	...	7	...	...	1	...	...
O.T.A. Investigation Br. ..	...	...	...	1	...	...	...	...	...	3	1	2	...	7	14	...	...	1	...	3
No. 1 District.	...	...	...	...	...	...	1	1	8	.....	...	...	5	2	17	...	...	1	1	...
No. 2 District.	...	...	...	...	...	...	1	1	13	.....	...	...	6	3	24	...	2	1	4	...
No. 3 District.	...	...	...	...	...	...	1	1	7	.....	...	...	7	1	17	...	1	1	1	...
No. 4 District.	...	...	...	...	...	...	1	1	11	.....	...	...	5	...	18	...	...	1	2	...
No. 5 District.	...	...	...	...	...	...	1	1	7	.....	...	...	6	1	16	...	1	1	2	...
No. 6 District.	...	...	...	...	...	...	1	1	10	.....	...	...	8	5	25	...	1	1	3	...
No. 7 District.	...	...	...	...	1	...	1	1	12	.....	...	...	...	2	17	...	1	1	1	...
No. 8 District.	...	...	...	...	...	...	1	1	8	.....	...	...	4	...	14	...	1	1	1	...
No. 9 District.	...	...	...	...	...	...	1	1	7	.....	...	...	1	1	11	...	1	1	2	...
Total.....	1	1	1	1	2	6	9	9	84	3	1	2	42	22	184	1	12	18	20	3

LOCATION OF OFFICERS

Location	Officers	Serg'ts.	Prov. Constables	Insprs. O.T.A.	Prov. Officers O.T.A.	Clerks, etc.	Cars
Headquarters, Toronto	13		4		7	13	2
No. 1 District:							
Windsor	1	1	2	1	2	1	1
Amherstburg			1				
Chatham			1	1			
Essex				1			1
Sarnia			1				
Point Edward			1				
London			1	1			
St. Thomas			1	1			
No. 2 District:							
Niagara Falls	1	1	3			1	
Woodstock				1			
Simcoe			1	1			
Brantford			1	1			
Dunnville			1		1		
St. Catharines			1	1			
Welland			1	1			1
Chippawa			1				
Bridgeburg			1				1
Fort Erie			1				
Thorold			2				
Hamilton				1	1		1
Dundas				1			
No. 3 District:							
Kitchener	1	1	2	1		1	1
Walkerton				1			
Wiarton			1				
Goderich				1			
Hensall					1		
Stratford	1		1	1			
Guelph			1	1			
Orangeville			1	1			
Owen Sound			1	1			
No. 4 District:							
Toronto	1	1	2	1	1	1	1
Woodbridge				1			
Orillia				1			
Beaverton			1				
Barrie			1				
Bracebridge			1				
Collingwood			1				
Oshawa				1			1
Whitby			1				
Brampton				1			
Georgetown			1				
Parry Sound			2				
Burk's Falls			1				
No. 5 District:							
Belleville	1	1	1	1		1	1
Peterborough			1	1			
Lindsay			1	1			
Cobourg			1	1			
Madoc			1	1			1
Napanee			1	1			
Enterprise					1		
Haliburton			1				

LOCATION OF OFFICERS—*Continued*

Location	Officers	Serg'ts.	Prov. Constables	Insprs. O.T.A.	Prov. Officers O.T.A.	Clerks, etc.	Cars
No. 6 District:							
Ottawa	1	1	1	2		1	1
Renfrew					1		
Pembroke			1				
Kingston			1	1			
Sharbot Lake			1				
Carleton Place				1			
Smith's Falls			1				
Brockville				1			1
Prescott			1		1		
Cornwall			1		1		1
Hawkesbury			1				
Morrisburg				1			
L'Orignal				1			
Lorneville					1		
Alexandria				1			
Barry's Bay			1				
No. 7 District:							
Cobalt	1	1	1			1	1
Haileybury	1		1				
South Porcupine			1				
Englehart			1				
Hearst			1				
Porquis Junction			1				
Cochrane			1	1			
Elk Lake			1				
Kirkland Lake			1				
North Bay			1	1			
Sturgeon Falls			1				
Timmins			1				
Larder Lake			1				
No. 8 District:							
Sudbury	1	1	1	1		1	1
Foleyet			1				
Chapleau			1				
Gore Bay			1				
Mindemoya				1			
Bruce Mines				1			
Sault Ste. Marie			2	1			
Blind River			1				
Capreol			1				
No. 9 District:							
Port Arthur	1	1	1			1	1
Keewatin				1			
Kenora			1				
Sioux Lookout			1				
Rainy River			1				
Fort Frances			1		1		
Fort William			1				
Dryden			1				

APPOINTMENTS AND RETIREMENTS

The following are the number of appointments made, and retirements from various causes, during the year 1922-23:

Appointments

Provincial Constables	48
Inspectors, O.T.A.	2
Provincial Officers, O.T.A.	8
Total	58

Retirements

	Superannuated.	Resigned.	Permitted to resign.	Dismissed.	Killed on duty.	Died.	Struck off strength for various causes.	Totals.
Superintendent	1							1
District Inspector		1						1
Sergeants		1		1	1			3
Constables		12	2	5		1	2	22
Inspectors O.T.A.	2	1				1		4
Provincial Officers O.T.A.			1	5			6	12
Totals	3	15	3	11	1	2	8	43

Transfers

There have been a number of transfers effected, these having become necessary in the interests of the force, and have been the means of an increased efficiency.

PERSONNEL

I have, as far as possible, adhered to my policy of recommending applicants who served in the Great War for any position that has become vacant.

An average of eighty per cent. of the men now on the force are ex-members of either the Canadian or British Overseas Forces.

Sergeants

The appointment of a sergeant for each district to assist the district inspector has been effected, and has added increased efficiency to the force.

Uniform and Equipment

The uniform now issued is of good material and well cut. It has been found that the "khaki" issued for summer wear fills a long felt want; it is much lighter in weight than the blue, and the issue is very much appreciated by all ranks.

The issue of boots was not satisfactory and the contractor was changed, with good results. The class of boots now issued is very good.

A new winter issue of Mackinaw breeches, heavy stockings and shoe-packs has been approved, and issued to all officers posted to districts north of Barrie, as it was realized that the ordinary boots and trousers were not suitable for the severe climatic conditions of Northern Ontario.

Hospital Accommodation

Consideration is being given to a plan whereby hospital accommodation will be provided for members of the force who are injured on duty or suffering from a serious illness directly traceable to exposure or some other cause in connection with their duties.

Health of Force

The health of the force has been generally good, the most serious illness being that of Provincial Constable Kenny who was stationed at Cochrane during the severe epidemic of typhoid fever, and unfortunately contracted that disease. For a long time his life was despaired of, but fortunately he recovered and has recently returned to duty.

Provincial Constable Foran stationed at Bala, having been admitted to the Sanitarium at Gravenhurst for tubercular trouble, was struck off the strength as medically unfit.

Provincial Constable Cookman, stationed at Peterborough, was troubled with internal haemorrhages, and was also struck off the strength as medically unfit.

Both the above constables had served overseas, and their cases are now in the hands of the D.S.C.R., as it is considered probable that their illness is the result of such service.

There were numerous other minor cases of illness during the year, mostly due to the severe climatic conditions, but none of a serious nature.

Deaths

I regret to report the tragic deaths of two valuable officers:

Provincial Sergeant Urquhart, shot and killed at North Bay.

Provincial Constable Smythe, accidentally killed in an automobile accident.

Conduct.

I am pleased to report that the conduct of the force has been excellent, and the members thereof have maintained a very high standard of efficiency and discipline.

CONVENTIONS

I attended the convention of the International Association of Chiefs of Police at Buffalo, N.Y., during the week of June 11th-16th, and also that of the Chief Constables' Association of Canada at Windsor, Ontario, held June 19th-21st, 1923.

I was particularly impressed by the business-like methods at both gatherings. Many papers of both an interesting and instructive nature were read by members, and the discussions following brought out many valuable points of law enforcement of great interest to both countries.

The International Association has an active membership of 443, and 149 honorary members, the Canadian Association having 253 active, and 51 honorary members.

What appeared to be the outstanding feature of both conventions, was the genuine endeavour of the members to obtain knowledge that would be of service to the communities they represented, and I am quite convinced that not only this Province, but the whole Dominion, will benefit from the instructive nature of the conferences.

It was quite apparent from the spirit of the convention held at Windsor, that the primary objects for which the Association was formed, viz.: "to bring a closer official and personal relationship amongst the police officers of the Dominion, and thereby obtain concerted action in the pursuit of criminals and the suppression of crime," also, "the encouragement of uniformity in the system, and method of police administration" has been more than achieved, and that the Chief Constables' Association of Canada is, without doubt, to-day the greatest asset in the interest of law and order in this country.

The Association is particularly fortunate in having as its secretary-treasurer a man of such outstanding ability and integrity as Assistant Inspector of Detectives W. Wallace, of the Toronto Police Force, who is primarily responsible for the high standard of the papers read and discussions ensuing therefrom.

COMMENDATION

I have received many letters of a commendatory nature from, amongst others, the following persons:

County Crown Attorneys,
Police Magistrates,
Sheriffs,
Superintendent, Department of Neglected Children,
Children's Aid Societies,
Soldiers' Aid Commission,
Humane Society, etc.,

all voicing their appreciation of the services rendered, and co-operation of our officers with above officials and organizations.

It is very gratifying to know that the work of our officers in matters connected with the various children's welfare organizations has been so much appreciated, as I consider the reclaiming or saving of the youth of this Province is the most important work being carried out by any organization to-day; work which in a large measure will be responsible for the wayward boy or girl growing up to be good citizens.

THE FIRE IN NORTHERN ONTARIO, OCTOBER 4, 1922

I am pleased to report that the high opinion formed of our officers during their tour of duty in connection with above fire, has been maintained. A number of new posts established at that time have been, at the request of the residents of the district, continued, and are giving splendid service.

The officers experienced a certain amount of difficulty in collecting stores and equipment, such as tents, blankets, etc., that had been loaned to the sufferers by the Relief Committee at the time of the fire. They found that it was quite impossible to keep track of everything in that vast country; consequently it will be impossible to retrieve a certain amount of such stores and equipment.

It is remarkable to witness the courage of the majority of those who suffered in this frightful holocaust, and the wonderful strides that have been made to rebuild the burned towns, villages, etc.

NEW POSTS

A number of new posts have been established in Northern Ontario owing to railway construction, etc., and applications are being continually received from different sections of the Province asking for Provincial Police patrol and protection, but owing to the limited number of men, it has been found impossible to comply with these requests.

MURDER OF PROVINCIAL SERGEANT URQUHART AND TOWN CONSTABLE LEFEBVRE AT NORTH BAY, BY ONE LEO ROGERS

On May 16, 1923, Leo Rogers, a convict on parole from the Kingston Penitentiary, whilst in the Court House at North Bay awaiting his trial on a charge of carrying concealed weapons, escaped from custody by holding up the officials of the court with an imitation pistol.

On reaching the street he held up the driver of an automobile and forced him to drive him to the outskirts of the town, where he took to the bush.

Search was made for him without success until 10 p.m., 17th May, when the Chief Constable of North Bay received a telephone communication that he was at a certain place. The Chief Constable, with Constables McGovern, Lefebvre and Robb, went to the specified place and on leaving their auto were met with a hail of bullets, one of which went through Constable McGovern's legs.

Watch was kept until daybreak, when Constable Lefebvre sighted Rogers in the bush and called on him to surrender. Rogers, instead of surrendering, threw up his rifle and fired. Constable Lefebvre fired at the same time. Rogers' bullet struck Lefebvre in the abdomen, wounding him so badly that he died almost immediately. Rogers again took to the bush and could not be found.

Our department was called upon for assistance, and all available officers were sent to North Bay.

Continual search was made and a watch kept upon the Rogers' home in North Bay, without success until the night of May 29th, when the officers on guard noticed a man enter the rear of above house. Immediate steps were taken to surround the house, Provincial Sergeant Urquhart taking charge. When arrangements were almost complete, Sergeant Urquhart, approaching a rear door, was shot, through the glass panel of the door, and instantly killed.

Rogers immediately jumped through a window at the other side of the house and again disappeared in the darkness and got into the bush.

The great difficulty here was, that the house was on the outskirts of the town, and directly on the edge of the bush, where Rogers had grown up as a boy, and knew every foot of the wild, rocky surrounding country, in which there were many places practically inaccessible to the average man, where he could hide.

More men were sent to the vicinity, and the search continued, with the result that about 10 a.m., May 30th, trace of Rogers was found on the opposite side of Lake Nipissing. The clue was followed up and about 12.45 p.m., Rogers was recognized with a skiff on the shore. He was never lost sight of again, and our officers and Rogers came in contact about 5 p.m., with the result that he was shot and killed.

On being searched, he was found to be in the possession of one box of 30-30 soft-nosed rifle cartridges; one box of 32 special revolver cartridges; a number of loose rifle cartridges, and fourteen dynamite cartridges, with a 30-30 rifle and revolver.

Taking into consideration the fact that Rogers was a splendid rifle shot; that he knew the surrounding country like a book; had all the advantage of surprise on his side, and, it was claimed, was aided by a large number of people residing in the vicinity, it was fortunate that the lives of more officers were not lost.

Funeral of Sergeant Urquhart

The body of Sergeant Urquhart was brought to Toronto and buried in the Soldiers' Plot at Prospect Cemetery, a public funeral service being held from Matthews' Undertaking Rooms, Spadina Avenue.

Representatives from the Toronto City Police Force; the North Bay Police Force; the Canadian Pacific Police Force; the Royal Canadian Mounted Police Force, with the Silver and Pipe Bands of the Toronto City Police Force, in addition to a strong detachment of our own force, were present, and made a very impressive funeral ceremony.

PROTECTION OF SUMMER COTTAGES

A great demand has and is now being made for the protection of unoccupied summer cottages.

It is quite impossible to meet these demands with the present strength of the force, or to inaugurate anything like a regular system of patrol of the districts where most of such residences are located.

In many localities these cottages are quite inaccessible to outsiders during the winter months, consequently only the local residents (if any) are in a position to know what occurs during the time these residences are unoccupied.

Our officers have made an effort to investigate every case of the kind reported, but are greatly handicapped owing to the difficulties of transportation, and the almost prohibitive hire of motor boats, which in many cases are the only means by which they can reach the scene of the depredations.

They have, however, been successful in apprehending and convicting a number of the worst offenders, which has had the desired effect locally.

FIRES, INCENDIARY, ETC.

Our officers have investigated several cases of what looked like incendiary fires, and have assisted the fire marshal's officers in a number of their investigations with only a varied degree of success. We were, however, successful in clearing up a case of long-standing arson in Grey County in which the offender was convicted and sentenced to a long term in the penitentiary.

Of all the crimes on the calendar, arson is one of the most difficult to prove; even when the fire has been proved of incendiary origin, the difficulty remains of connecting the right person with the offence.

MOTOR VEHICLES ACT

Four hundred and sixty-five prosecutions were launched against persons for infractions of this Act, mostly "exceeding the speed limit." Although the duties of our officers do not include the highways, they are instructed to check up any serious violation of this Act that comes to their notice.

In this connection I find there is abundant need for greater supervision to check speeding and reckless driving on our provincial highways.

GAME AND FISHERIES ACT

Our officers have prosecuted offenders under this Act whenever necessary, and have rendered assistance when required to the overseers appointed to enforce its provisions.

INSANE PERSONS

Thirty-one persons who had become mentally disturbed were brought before the magistrates, and after examination by the medical authorities, thirty were pronounced insane and committed to mental hospitals.

OPIUM AND DRUGS ACT

A number of prosecutions were instituted and convictions obtained under this Act. Our officers have worked in closest co-operation with the members of the R.C.M.P. and municipal forces in investigating reports of infractions of this Act, and very gratifying results have accrued therefrom.

It is generally conceded by officers engaged in investigations under this head, that there is very little (if any) connection between the dope peddler and the bootlegger, and that each caters to an entirely different class of purchasers.

AUTO FATALITIES

The large number of deaths reported, caused by the automobile, in one form or another (more often by carelessness than actual recklessness), makes it apparent that there is still need for new and more efficient regulations for cars and drivers, and I am of the opinion that the policy suggested by a number of police authorities, viz., that of having only those persons who have passed an examination, and are in possession of a license, be permitted to drive an automobile, be put into force, if this Province is to prevent the continued useless and wasteful sacrifice of valuable lives.

INTOXICATED PERSONS IN CHARGE OF, OR DRIVING AUTOMOBILES

The greatest menace to life and limb on our streets and highways to-day is an automobile in the hands of an intoxicated person, and I am of the opinion that the minimum sentence of seven days' imprisonment is, in many cases, insufficient punishment. I would further earnestly recommend that police magistrates be given the power to impound the automobile of any person convicted a second time of the offence of driving a motor vehicle whilst in an intoxicated condition.

HIGHWAYS

The matter of policing the highways of the Province by the Provincial Police is still under consideration. This matter was brought to notice in my report of 1922.

It is still considered that it is in the best interests of law enforcement that the control of the Provincial highways should be placed under the Provincial police.

AUTOMOBILES AND REVOLVERS—USE OF IN CONNECTION WITH HIGHWAY ROBBERIES, ETC.

The recent recurrence of the epidemic of crimes of violence, chiefly highway robbery, hold-ups of banks, stores and travellers, and burglaries in small towns without adequate police protection, presents a problem that will have to be met with an increase of vigilance aided by more modern equipment. This "Crime-Wave," which is undoubtedly a reflex of that which has been prevalent in the United States for a considerable time, is, in my opinion, the result of a certain revolver-using, motor-mad type of criminal realizing the ease with which an organized band of armed desperadoes can terrorize the unarmed and unorganized public, and escape by means of a high-powered motor car before the officers of the law have even been notified, much less reach the scene of the crime. The increased number of cars in the Province, with good roads over which a car can travel at high speed; the ease with which an automobile can be stolen and the numbers switched, make it practically impossible to distinguish between a band of criminals escaping from the scene of their crime, and a party of a ordinary tourist travellers. The cars being, as a rule, stolen and bearing false registration plates, cannot be checked up unless some system of communication between all small un-policed towns and villages and the nearest permanent Police Headquarters be instituted.

Such a system, to be operated successfully, should give police officers the power to stop and closely examine all traffic radiating from the scene of any serious crime.

Well organized gangs of crooks, before committing some serious crime now, often cut telegraph and telephone wires to gain time, and interfere with any effort to capture them, thus leaving the "Radio" as practically the only means of fast communication, and I would suggest that efforts be made to enlist, as far as possible, the services of the users of this very useful invention on the side of law and order.

There is no doubt that the automobile has been the chief cause for the increase in this type of bandit—that and the revolver—but the revolver was in

use long before the automobile was, and the type of present-day bandit was unknown until the automobile became common. The combination of the auto and revolver has made a situation that has yet to be overcome.

It is recognized that no law that can be drafted will absolutely keep revolvers out of the hands of criminals. Even a law entirely prohibiting the manufacture and sale of such weapons would not be effective, because the criminal would obtain them from another country, but if the provisions of the Offensive Weapons Act (Provincial), and of Section 118 of the Criminal Code, were as drastically enforced as they should be, it would make it practically impossible for anyone without a permit to be knowingly in the possession of a revolver or pistol.

However, until the sale and possession of weapons of this description is considerably tightened up in the United States, any further legislation *re* the sale of revolvers, etc., in this country, is practically futile, and would work to the advantage of the criminal who finds across the border an easy channel through which he can obtain a weapon for his nefarious work, and to the disadvantage of the law-abiding citizen, who finds it almost impossible to purchase a revolver to keep in the home or place of business.

However, I would advocate that the penalty imposed upon any person found in the possession of such weapons without being able to produce the necessary permit, or when arrested for any offence, be made much more severe than it is at present, and that in all such cases imprisonment take the place of a fine, also that the possession of a revolver by any person arrested for such an offence as robbery, burglary, housebreaking, etc., or attempts to commit same, be punishable by an extra term of imprisonment.

It has been proved that the criminal has no regard for the law, but that the majority do fear punishment, and if it became known that the possession of a revolver or pistol by the criminal would add years to his sentence, I am convinced that crimes of this nature would decrease.

OFFENSIVE WEAPONS

The majority of the 73 convictions obtained under this heading were against aliens for having fire-arms in their possession without the necessary permit.

Arising from seizures made in connection with these convictions, a large number of shot guns, rifles and revolvers have been confiscated by the various magistrates of the Province, and forwarded to this office.

The rifles and shot guns that were serviceable were sold through the King's Printer, and of the revolvers, any that were of a good pattern and serviceable have been placed in stock. The majority, which were of a very common make and pattern, were destroyed under supervision of this department, to prevent them again coming into use.

OFFENCES AGAINST WOMEN AND CHILDREN

In assisting the officers of the Children's Aid and Soldiers' Aid Societies to investigate cases arising from reports of moral laxity and neglected and dependent children, our officers have come in contact with depraved moral conditions of such a character as to be almost unbelievable.

Such conditions are not altogether surprising in the rougher and unsettled parts of the Province, but it is a surprising fact that they are more prevalent in certain counties in Old Ontario than in the north, and would indicate that

there is need for more moral and spiritual teaching and supervision by those whose duty it is to prevent such conditions arising.

It seems to be the opinion of some Councils, etc., that providing they look after the material welfare of their community, the moral conditions are not their business, and should be left to the police authorities for attention, but unfortunately in most cases the unsavoury conditions do not reach the ears of the police until too late.

The number of prosecutions for offences against women and girls was 107, an increase of 36 over 1922.

Offences Against Women and Children

Offence	Prosecutions	Convictions	Dismissals	Withdrawals	Awaiting Trial
Abduction	6	4	1	1	.....
Abortion and attempts	5	2	3	.....	.....
Indecent Assault	26	19	7	.....	.....
Carnal Knowledge and att'pts	23	14	1	1	7
Incest	11	8	2	.....	1
Procuring	3	3	.....	.....	.....
Rape and attempts	9	4	2	.....	3
Seduction	24	12	9	1	2
Total	107	66	25	3	13

Taking into consideration the fact that corroboration is required in most of the cases prosecuted under these headings, and that owing to the nature of the cases generally such corroboration is very difficult if not impossible to get, the high percentage of convictions show that great care must have been taken by the officers in charge of these cases before presenting the evidence to the Court.

INLAND REVENUE ACT

Our officers have been responsible for a large number of prosecutions under the Inland Revenue Act.

It is found that in many cases where complaints are registered with reference to the sale of liquor, the investigation leads to the discovery of illicit manufacture of the same, and although this Act is a Dominion Statute, and supposedly enforced only by Dominion officers, yet it is noted that in the enforcement of the Ontario Temperance Act the illicit manufacture of liquor is so linked up with the illicit sale of the same that it is often found impossible to succeed with one charge without the other. Consequently our officers are, to a greater or lesser degree, responsible for a very large number of prosecutions that are instituted under this Act.

It has been found that by diligently stamping out the illicit manufacture of liquor we cut the roots of what is no doubt the worst feature of the many different ways and means found to violate the provisions of the O.T.A.

Many thousands of gallons of mash and other liquid filth (which if it had not been discovered would eventually have found its way through various channels to an ever ready market, as whiskey or gin) have been destroyed by our officers, and hundreds of "illicit stills," constructed from every conceivable contrivance, from the common "garbage can" or "clothes boiler," to an elaborate

copper affair built on wheels, to run on a specially prepared track, have been seized by our officers, and orders made for their confiscation.

There is no doubt that by paying special attention to this phase of the liquor traffic, many cases of premature burial have been avoided.

Fines imposed for offences against this Act, where our officers were responsible for the prosecutions, amounted to $24,510.

ONTARIO TEMPERANCE ACT

Our officers have experienced the usual difficulties in enforcing this Act, difficulties which in the past year have increased rather than diminished, and which have required constant vigilance and continuous hard work to overcome.

There is still a large illicit trade in liquor being clandestinely carried on throughout the Province, which is supplied from many and varied sources with many and varied brands of liquor.

From information in our possession, we learn that the chief sources from which the liquor percolates to the consumer are to-day administered in a very highly organized and systemized manner by men who finance the undertaking, and who, profiting by practice and experience, have developed such a smooth working system in handling the liquid goods through their agents that they themselves are practically immune, in fact often unknown; further the work of delivering the supplies is carried out in a way so apparently respectable and innocent that detection is often more by chance than design.

A considerable quantity of liquor has come into this Province from Quebec by road, rail and water, and many and almost unbelievable have been the devices employed to camouflage the transportation so that it would escape the notice of officers on the alert to detect the sham and apprehend the offender. We have, however, been successful in seizing considerable quantities and having these confiscated.

There are reports of another source of supply in the north-western part of the Province and across the Manitoba boundary, which so far has not assumed very large proportions.

There is another, perhaps the most difficult source of supply to check, liquor ostensibly shipped from the distilleries and breweries for export, a considerable quantity of which must, we know from seizures made, find its way unlawfully into the stock of the bootleggers of this Province.

The above paragraphs deal with what might be termed "genuine liquor," but a much greater menace to the community is the supply of home-made liquor handled by the bootleggers, and put up in bottles bearing fraudulent labels, seals and corks, purporting to denominate the old well-known brands and makes of whiskey and gin. The composition and printing of the labels, seals and corks are often such perfect imitations that they deceive any but an expert.

In many cities and towns our officers find that up-to-date methods of manufacture now prevail, the crude "still" having been discarded for a quicker, easier, and more profitable mode of manufacture.

A new and serious offender has during recent months been reported—the bootlegging druggist.

These get-rich-quick lawbreakers are regarded as outlaws by the law-abiding druggists, who in certain cases have given our department information that has led to the conviction of these illicit traffickers.

Reports of substitutes for liquor, such as extract of lemon or ginger, Florida water, the various patent medicines, medicated wines, furniture and other polishes, are not nearly as frequent as formerly.

Twenty-eight convictions in Toronto during the year prove that strong beer has been sold in a number of Standard Hotels. There has, however, been nothing like the "open selling" that certain recent press reports allege, neither has there been any "let up," "connivance," or "collusion" on the part of any officers of this department with regard to O.T.A. enforcement.

There has, however, been a greater tendency on the part of some hotel keepers to "take a chance," which has been checked whenever and wherever noticeable, and it has been found that frequent raids, taking samples, etc., generally has the desired effect.

The need of a new point of view has recently been shown in the International aspect of the liquor question, as it has become apparent that alcohol in very considerable quantities is being shipped into this Province from the United States, one shipment of as much as 500 gallons having been seized.

INVESTIGATION DEPARTMENTS

Criminal Branch

The Inspectors of the Criminal Investigation Department have investigated and reported on a number of very serious occurrences including the most important crimes, such as murder, manslaughter, bank robberies, arson, burglaries, and cattle poisoning, etc. The majority of these investigations were made at the request of the Crown Attorneys of the counties concerned, and, with few exceptions, have been successfully cleared up.

During the racing season, officers from this department were present at all the tracks in the Province during the time racing was being carried on, and were responsible for the prosecution and conviction of a number of "bookmakers" and other undesirable race track frequenters.

All carnivals, circuses, etc., were kept under observation during their stay in the Province, and a number of objectionable features eliminated, gambling outfits seized, and the operators prosecuted and convicted.

A number of prisoners wanted for various crimes in this Province were brought back from points in the United States by Inspectors of the Criminal Investigation Department, under warrants of extradition.

Floyd Nolan and Lewis A. Austin were arrested in New York in connection with the robbery of the Mount Forest Branch of the Royal Bank, they having been found in possession of certain bonds stolen from this bank; their extradition was applied for, but after the case had been remanded several times in New York, Nolan was discharged and Austin held for extradition to Canada.

In the meantime the District Attorney of the State of Arkansas made representations to the Washington Government that Austin was wanted in that State on charges of bootlegging, etc. The American Government permitted the State of Arkansas to have Austin, at the same time promising the Dominion Government that we should have him when they had disposed of the counts against him. Austin was sentenced in Arkansas to one year imprisonment, but made his escape a few weeks after receiving sentence, and at the present time is still at large.

Extradition proceedings are still in progress *re* the arrest of Nick Rutka in Roumania, for the alleged participation in the murder of Adam Solton at Thorold, in August, 1922.

There was also a number of arrests and investigations made for Police Forces and State Departments outside the Province.

O.T.A. Branch

The investigations carried out under the officers of this branch have been many and difficult, requiring tact, good judgment, and untiring efforts, which often ended in failure to produce the necessary evidence of a breach of the Act.

A great many of the complaints received are anonymous, which have to be carefully considered and quiet investigations made before sufficient evidence can be obtained to justify a search warrant being applied for, as it has been the honest endeavour of this department to respect the sanctity of private homes, and not to cause unnecessary interference through the receipt of petty complaints.

Owing to the nature of the work, it is impossible to give instructions to individual officers to meet every emergency, and it has been found that occasionally a new officer has shown a lack of discretion that has caused criticism, but the instructions to all officers are, that the enforcing of the Act must be conducted along fair and honourable lines.

The following is a summary of investigations made and informations laid, etc., in the City of Toronto by the staff at Headquarters, 25 Queen's Park, from November 1st, 1922, to October 31st, 1923:

Total Number of Warrants Issued		1,122
Total Number of Investigations Made—No results	582	
Total Number of Informations Laid following Investigations	540	1,122

Offences	Total
Soliciting Orders	1
Drinking in Public Place	8
Keeping for Sale	176
Having in Public Place	64
Illegal Purchase	126
Selling	63
Confiscation, Sec. 70	21
Transportation	41
Breach of Sec. 48	3
Breach of Sec. 128	5
Having Drugs	4
Material Witnesses	8
Obstructing	5
Breach of Inland Revenue Act	15
Convictions	317
Dismissals	91
Withdrawals	91
Absconded	26
Pending	15
Total	540

Amount of Fines Imposed Under—	O.T.A.	I. Rev. Act	Total
	$60,995	$2,900	$63,895

Liquors seized in connection with above investigations:

No. Bottles Beer	No. of ½ Barrels	Beer Gallons	No. Bottles Liquor	No. Gallons Alcohol	Wine	
					Bottles	Kegs
20,075	81	1,294	7,254	1,332	70	10

Number of Prosecutions against Hotels (Standard)	26
Druggists	28
Breweries	8

Number of cases prosecuted under the O.T.A. as the result of investigations made throughout the Province by special officers acting on instructions from Headquarters, 25 Queen's Park, November 1st, 1922, to October 31st, 1923:

Total Cases Prosecuted	169
Convictions	147
Dismissals	7
Withdrawals	5
Absconded	10
Total Amount of Fines Imposed	$53,045

	O.T.A.	I.R.A.	Total
Amount of Fines Imposed *re* Cases prosecuted in the City of Toronto by the Staff at Headquarters, 25 Queen's Park	$60,995	$2,900	$63,895
Amount of Fines Imposed *re* Cases prosecuted throughout Province following investigations by Special Officers operating on instructions from Headquarters, 25 Queen's Park	$53,045	.....	$53,045
Total	$114,040	$2,900	$116,940

Seizures of Liquor made in connection with above prosecutions:

Liquor (bottles)	2,416
Liqueurs (bottles)	376
Liquor (gallons)	1,500
Liquor (cases)	75
Beer (bottles)	36
Beer (cases)	110

Liquor seizures made at railway stations and freight sheds, Toronto, from November 1st, 1922, to October 31st, 1923:

Boxes	Suit Cases	Sacks	Trunks	Barrels	Club Bags	Cartons	Tin Cans	Drums
88	89	9	26	10	10	12	99.5 Gallon 6.2 " 4.2 "	6

The total consfiscation amounts to 12,492 bottles of liquor and 505 gallons of alcohol.

DEATHS FROM UNNATURAL CAUSES

The following number of deaths from unnatural causes were reported and investigated by our officers:

Murder	20
Suicide	22
Auto fatalities	28
Drownings	77
Other causes	66
Total	213

MURDER

Twenty cases of murder were reported and investigated, resulting in 16 prosecutions as follows:

Convicted	3
Reduced to manslaughter	3
Dismissed	3
Withdrawn (committed suicide)	1
Awaiting trial	6
	16
No results	4

The four remaining cases are still being investigated, but so far have not produced sufficient results to justify prosecutions.

Of those awaiting trial, two have already been arraigned, but in each case the jury disagreed and a new trial became necessary.

DEATHS FROM DROWNING

A large number of cases of persons being drowned have been reported to our officers, and demands made for assistance in trying to locate the bodies of the victims.

We have rendered all assistance possible and incurred considerable expense in assisting in these searches, but in some cases the friends of those drowned showed a feeling of resentment, believing that this department should have gone to endless expense and continued the search until the bodies were found.

INVESTIGATIONS

The number of investigations made into matters reported under all headings was 7,319.

These consisted of complaints *re* infractions of the Criminal Code, the O.T.A., other Dominion and Provincial Statutes; requests for assistance to locate missing friends and relatives; enquiries for other police forces in the Dominion, also for Foreign Consuls and police forces.

Many of these enquiries take considerable time and skill to accomplish satisfactorily; in some cases are very expensive, and eventually produce no apparent results; yet the nature of them is of such importance generally that they cannot be ignored.

SEARCH WARRANTS

Search warrants executed:

O.T.A. (exclusive of those by officers at headquarters, 25 Queen's Park)	3,129
By headquarters, 25 Queen's Park	1,122
Criminal Code and other Statutes	1,501
Total	5,752

PROSECUTIONS, CONVICTIONS, ETC.

The number of cases prosecuted by all officers during the year under the Criminal Code and other Dominion and Provincial Statutes, a classified return of which will be found below (exclusive of the O.T.A.) was 3,033; and under the O.T.A. 3,963; a total of all prosecutions of 6,996; being an increase of 769 over 1922.

Convictions	5,766
Dismissals	892
Withdrawals	260
Awaiting trial	78
Total	6,996

A percentage of 84.88 of convictions over dismissals and withdrawals.

A large number of withdrawals are accounted for by the fact that in certain prosecutions instituted under the O.T.A. it has been found necessary to proceed against two or more persons in connection with the one offence, and that usually at the trial one will plead guilty to the offence, this making it necessary to withdraw the charges against the other supposed offenders.

The following is a summary of all prosecutions entered, and the disposal thereof, by the Ontario Provincial Police, in all districts, from November 1st, 1922, to October 31st, 1923:

Offence	Prosecution	Convictions	Dismissals	Withdrawals	Awaiting Trial
Abduction	5	3	1	1	
Abandoning Children	3	3			
Abortion	4	1	3		
Abusive and Profane Language	16	11	5		
Accessory	3		1		2
Affray	8	1	7		
Amusement Tax Act	5	4	1		
Assault	294	209	61	16	8
Assault, Indecent	26	19	7		
Arson	6	1	4	1	
Attempted Abortion	1	1			
Attempted Arson	2	1	1		
Attempted Buggery	1	1			
Attempted Burglary	1			1	
Attempted Carnal Knowledge	5	3		1	1
Attempted Rape	4	2			2
Attempted Suicide	4	3	1		
Attempted Theft	6	5	1		

Offence	Prosecution	Convictions	Dismissals	Withdrawals	Awaiting Trial
Betting	6	5	1		
Bigamy	13	12	1		
Breach of Parole	1	1			
Breaking and Entering	53	48	4	1	
Bribery	5	1	4		
Buggery	2	1		1	
Burglary	35	35			
Canada Temperance Act	1	1			
Carnal Knowledge	18	11	1	1	5
Carnival Shows Act	1	1			
Causing Affray	4	4			
Causing Bodily Harm	7	2	5		
Causing Explosion	2	2			
Children's Protection Act	17	16	1		
Concealment of Birth	3	2	1		
Conspiracy	1	1			
Corrupting Children	3	3			
Corrupting Witness	1	1			
Criminal Negligence	34	26	5		3
Cruelty to Animals	21	19	2		
Customs Act	1	1			
Damage to Property	37	25	12		
Defaulting Witness	1		1		
Disobeying Summons	1	1			
Disorderly Conduct	121	113	7	1	
Disorderly House	41	39	2		
Disturbing Assembly	13	13			
Doing Bodily Harm	8	6	2		
Drunk in Charge of Auto	18	16	1	1	
Embezzlement	2	2			
Escaping Custody	11	11			
False Pretences	50	32	11	2	5
Food and Drug Act	1	1			
Forest Fires Act	27	21	6		
Forgery	25	19	5		1
Fraud	28	23			5
Gambling	14	14			
Games of Chance	34	32	2		
Gaming House	21	15	6		
Game and Fisheries Act	45	43	2		
Gross Indency	5	4	1		
Highway Travel Act	5	4	1		
Housebreaking	60	54	5		1
Impersonating Police Officer	10	9	1		
Incest	11	8	2		1
Indecent Acts	28	15	9		4
Indian Act	2	2			
Injury to Animals	11	9	2		
Inland Revenue Act	188	178	10		
Insanity	31	30	1		
Intimidation	5	5			
Juvenile Delinquency	1	1			
Lord's Day Act	118	106	12		
Lotteries	15	13	1		1
Manslaughter	16	7	2	5	2
Master and Servants Act	12	11		1	
Maternity Boarding House	1	1			
Mining Act	2	1	1		
Mischief	34	25	9		
Motor Vehicles Act	465	434	29	1	1
Murder	13	3	3	1	6
Neglect in Childbirth	1	1			
Non-Support	23	16	5	2	
Nuisance	1	1			
Obstructing Officer	18	16	2		
Offensive Weapons Act	77	73	2	2	
Opium and Drugs Act	4	4			
Optometry Act	2	2			

Offence	Prosecutions	Convictions	Dismissals	Withdrawals	Awaiting Trial
Peddling without License	2	2			
Perjury	11	6	2		3
Pharmacy Act	1	1			
Pointing Firearms	7	6	1		
Poisoning Cattle	2	1			1
Polygamy	1	1			
Poolroom Act	2	2			
Power Commission Act	3	3			
Private Detective Act	3	3			
Procuring	3	1	2		
Prostitution	1	1			
Provincial Statutes	4	4			
Public Health Act	6	5	1		
Rape	5	2	2		1
Receiving	33	21	9		3
Resisting Arrest	4	4			
Rioting	6		6		
Robbery	15	12	3		
Robbery with Violence	12	11	1		
Sacrilege	2	2			
Seduction	24	12	9	1	2
Selling Cigarettes to Minors	5	5			
Shooting Cattle	5	2	3		
Shooting with Intent	6	6			
Shopbreaking	21	19	2		
Theatre and Cinematographs Act	1	1			
Theft	388	281	84	5	18
Threatening to Shoot and Kill	2	2			
Town By-laws	3	3			
Trader's Accounts, Failing to Keep	1				1
Trespass	11	7	4		
Unlawful Assembly	28	28			
Unmarried Parents' Act	2	2			
Vagrancy	101	85	14	2	
Veterinary Practice Act	1	1			
Wife Desertion	17	13	3		1
Wife Beating	2	2			
Wilful Neglect	2	2			
Wounding	9	6	3		
Total	3,033	2,486	422	47	78
Ontario Temperance Act	3,963	3,280	470	213	
Grand Total	6,996	5,766	892	260	78

A Comparative Statement of all prosecutions under all Acts and Statutes for the year ending October 31st, 1922, and October 31st, 1923:

1922		*1923*
6,227	Prosecutions	6,996
5,283	Convictions	5,766
905	Dismissals	892
	Withdrawals	260
39	Awaiting trial	78

Classification by Nationalities of Persons Convicted

Anglo-Saxons—		
Canadian	3,369	
English, Scotch, etc	486	
American	168	
		4,023
French-Canadian		206
Middle Europeans—		
Austrian	107	
German	43	
Poles	93	
Bohemian	1	
Dutch	3	
Swiss	4	
Hungarian	12	
		263
Russians and other Slavs—		
Russian	377	
Finnish	76	
Ruthenian	6	
Galician	21	
		480
Balkan Races—		
Roumanian	68	
Bulgarian	25	
Serbian	13	
Greek	8	
Syrian	2	
		116
Scandinavians—		
Swede	35	
Norwegian	3	
Danes	3	
		41
Latins—		
Italian	244	
Spanish	1	
		245
Jews		68
Indians (North American)		90
Negroes		1
Chinese		18
Not known		215
Total		5,766

A Classification of the Ages of Persons Convicted

10 to 15 years	155
15 " 20 "	571
20 " 30 "	1,686
30 " 40 "	1,495
40 " 50 "	1,043
50 " 60 "	506
Over 60 "	148
Not known	162
	5,766

Classification re Marital State of Persons Convicted

Married	3,213
Single	2,463
Widowers	76
Widows	14
	5,766

ARRESTS WITH OR WITHOUT WARRANT, ETC., OF PERSONS PROSECUTED

Arrested with Warrant	1,613
Arrested without Warrant	2,956
Summoned	2,427
	6,996

CLASSIFICATION OF PENALTIES IMPOSED ON PERSONS CONVICTED FOR OFFENCES AGAINST ALL STATUTES

Imprisonment	880
Fined	4,283
Sentence Suspended	534
Otherwise Disposed of	69
	5,766

REVENUE DERIVED

Revenue derived through the Law Enforcement Branches, for the year 1923:

Fines under Ontario Temperance Act	$359,345.80
Fines other than " " "	18,500.00
Confiscated liquor sold to Dispensaries	71,649.58
Value of liquor seized for year ending October 31st, 1923	110,150.47
Constables' fees	12,559.27
Sundries	186.04
Total	$572,391.16

There was also $24,510 imposed as fines for offences under the Inland Revenue Act, in which our officers were responsible for the prosecutions, which amount was not payable to the Province.

LOST OR STOLEN PROPERTY RECOVERED

Of property that had been reported as lost or stolen, the amount approximately of the value of $123,761.13 was recovered by our officers and restored to the respective owners.

The above property includes automobiles, the proceeds of burglaries, goods stolen from stores, private houses and summer cottages, etc.

RECOMMENDATION

AMENDMENT TO THE PUBLIC SERVICES SUPERANNUATION ACT

I would recommend that amendment be made to the Public Services Superannuation Act to provide a suitable pension for the dependents of officers killed whilst in the performance of their duty, thus avoiding the delay attendant in passing a special grant.

In connection with this recommendation, I might mention the case of the widow of the late Sergeant Urquhart, who, when her husband was killed, was

about to become a mother, and was left practically without means of support, and had to be taken in and cared for by brother officers pending the passing of a special grant which is now being considered by the Government.

I would also suggest that the age of superannuation for police constables be made 65, instead of 70, which is the present age of superannuation for all employees of the Government.

CONCLUSION

I desire to thank all the Municipal Police Forces of the Province who have rendered assistance to, and worked in co-operation with the members of this Force, also the R.C.M.P., the C.P.R.P., and the C.N.R.P., for their ready assistance whenever necessary.

I further desire to place on record my appreciation of Police Magistrates and County Crown Attorneys for the kind and helpful manner by which they have encouraged the members of the Force in the execution of their duties. The advice given and assistance rendered at all times has been very much appreciated by the Force generally.

Respectfully submitted,

Victor A. S. Williams,
Commissioner, Ontario Provincial Police.

Ontario Department of Agriculture

ANNUAL REPORT

OF THE

Agricultural Development Board

FOR THE YEAR ENDING OCTOBER 31st

1923

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO
Printed by CLARKSON W. JAMES, Printer to the King's Most Excellent Majesty
1924

To His Honour Henry Cockshutt,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I have the honour to present herewith for your consideration the Annual Report of the Agricultural Development Board for 1923.

Respectfully submitted,

John S. Martin,
Minister of Agriculture.

Toronto, 1924.

AGRICULTURAL DEVELOPMENT BOARD

The Honourable John S. Martin,
Minister of Agriculture,
Parliament Buildings, Toronto.

Honourable Sir:

I have the honour to submit the second Annual Report of the Agricultural Development Board for the year ending October 31st, 1923.

As you will see, the outstanding features are: a substantial increase in the business of the Board, an absence of any losses on long term loans, and the reduction of the deficit of earnings as against cost of maintenance from $10,255.77 last year to $908.05 for the past year.

Increased Volume of Long Term Loans

Apart from enquiries, formal applications to the number of 1,537 have been received during the year, asking for a little over $6,000,000. Careful scrutiny eliminated a number of these applications, which did not come under the scope of the legislation under which we operate, and hence only 1,234 came before the Board for their consideration. Of this number 953 were granted with loans totaling $3,729,350. Against these loans the valuation of the property on which first mortgage was offered was placed at $8,685,166 by our inspectors. Hence it will be seen the amount passed in loans represented considerably less than 50 per cent. of the value of the security. Under the Act up to 65 per cent. may be granted in certain circumstances, but this is not necessary in any large number of cases. The applications considered by the Board, but not granted, numbered 281, involving the sum of a little over $1,000,000.

To show the relative growth of the work, the following figures, as of the two past years, may be of interest:

	Number of Applications Passed	Amount of Loans Passed	Value of Security
1922	458	$2,040,605 00	$4,693,304 00
1923	953	3,729,350 00	8,685,166 00
Total	1,411	$5,769,955 00	$13,378,470 00

In analysing the year's business, it is found that a large proportion of the loans were made for the discharge of encumbrances. This purpose would probably represent about one-half of the total loans. The new provision, by which money could be advanced for the discharge of pressing liabilities, was also taken advantage of in a large number of cases. Frequently farmers applied to the Board, stating that they had lost money, perhaps up to $2,000, on cattle or some other phase of farming operations, a couple of years ago in the big

price slump and they had since been unable to overtake their loss; accordingly they desired to consolidate this indebtedness with a small mortgage against their property and thus arrange their financing so as to carry on farming operations without embarrassment of a large immediate indebtedness. Reports received by the Board also indicated that there continues to be a lack of local money available for farm loans, and the availability of this money, as well as the rate of interest, have apparently had a stabilizing effect.

Both Old and New Ontario have taken advantage of the services of the Board. In Old Ontario loans have been made in almost every county, the average amount being $4,862.30. This, of course, included many farms of over 100 acres. In New Ontario, which accounts for little less than one-third of the total loans, the average was $1,837.45. In New Ontario a large proportion of this money is being used for building purposes, and loans are made only on farms where there is sufficient clearing to permit real farming operations. Numerous farmers who were burned out in the big fire of 1922 availed themselves of the services of the Board in restoring their permanent buildings. The loans are, therefore, of special value in a new country where the rates of interest, even where money is available, are naturally very high. It was noted in many cases which came to the attention of the Board, that the total amortized payment of principal and interest, which represents $87.18 per $1,000 per annum, was less than the applicants had been required to pay in interest alone on New Ontario properties.

With the prompt and cordial co-operation of the Provincial Treasurer, the financing of the loans has been carried out satisfactorily in accordance with the terms of the Act under which we operate, by which debentures of the Board are taken up by the Government. A detailed statement is appended, showing the amount of money which is invested in these debentures and against which the mortgages are hypothecated. It will be noticed that the total does not correspond with the figures given above, as to the loans passed; this is explained by the fact that a large number of the loans passed, particularly in the latter part of the fiscal year, are necessarily not paid over within the fiscal year, a few weeks at least being required to search titles and prepare the papers, and in a few cases it is even found impossible to complete the loan. The difference in the table given above as to loans passed and the table appended as to debentures is explained by these facts. Every effort has been made by the Board to expedite the completion of the legal work just as rapidly as is commensurate with absolute security. It is recognized that an absolutely clear title is of great value to the borrower, as well as to the Board, and a number of cases have been encountered which were so involved that the clearing up of the title itself is of real service to the borrower. In order to handle this work, the Board, during the past year, added a legal department to its organization, and this has proven very effective in securing prompt completion of mortgage documents, which is a slow process at best.

Repayments Well Made

During the fiscal year 599 accounts became due. These involved payment of $44,276.81. Of this total only 33 accounts, representing $1,394.61 or 3.15 per cent. of the total, are outstanding at the present time, and there is every indication that these will be cleared up within the next few months. It is, therefore, most satisfactory to the Board to report that no losses have occurred and none are in prospect on this year's business. There was one foreclosure,

where the borrower left the farm, but the property was turned over without loss. During the year scores of valuations have been carefully re-checked and every effort made to assure ourselves of the soundness of the securities held. With increasing volume of business there will naturally be an increasing volume of repayments commencing with December of this calendar year. Each year must tell its own story and we will not attempt to anticipate more than to suggest that the nature of the story each year tells must reflect confidence or otherwise to the next. These are undoubtedly trying years for the farming industry. Alike, in the making of loans and collections, the problem of the Board is to balance the sympathetic consideration which the industry deserves, with the security which the Province must have.

Repayments Analyzed

In view of the importance of the matter of collections, it may be of interest to go into the subject in a little more detail. For the convenience of bookkeeping, as well as convenience of borrowers, all payments come due either on December 1st or May 31st. If a loan is passed before December 1st, the borrower pays interest only up to December 1st next ensuing and his amortized period of principal and interest dates from that time; similarly, if a loan is passed after December 1st, the same process applies, with May 31st as the date. Accordingly, loans fall due on either one of these two dates. On December 1st last there were 386 accounts due, involving $31,799.75; of these nine had not been fully paid on the 31st October. These outstanding accounts total $602.69, or 1.89 per cent. of the total. Of the $602.69 outstanding, one account represented considerably over half; this is an account of some hardship, but the circumstances indicate that with a little time it can be worked out to the advantage of the borrower, as well as with safety to the Board. Of the balance, all are small loans and they average less than $30.00 each.

The payments due on May 31st numbered 213 and totalled $11,680.10. Twenty-four of these have not been paid in full, the amount outstanding being $791.92, or 6.78 per cent. of the total. The average, however, represents only a little less than $33 each, and it will be observed that eleven months have elapsed since the December payments were due and only five since the May payments were due. Where representations are made to the effect that payments can be completed only by sacrificing stock which should be held for a few months, or by some similar hardship, the Board is prepared to extend the time of the payments, but it is the policy of the Board to have all payments cleared up within the year unless for very exceptional reasons. Nothing could be more disastrous, either from the standpoint of the borrower or of the Board, than to allow any considerable accumulation of arrears. The relative standing at the present time of the December and May payments shows the operation of this rule, as the former are much more nearly cleared up. A careful review of the circumstances in each of the individual cases justifies the belief that within a few months practically all the outstanding balances on these two dates will have been paid in.

Short Term Loans

The duties of administration of the short term loans are also looked after by this Board, who are able to carefully look after the affairs of each Association more economically than if managed by a separate organization.

During the year numerous requests have been received from individual farmers or groups of farmers for the formation of a Short Term Loan Association

in their districts. A representative has been sent to explain the system, give the experience of existing Associations, which appear to be well satisfied with the service rendered, and help generally in effecting an organization. In spite of this fact, only four new Associations have been organized, as compared with twelve in the previous fiscal year. The necessity of securing a minimum of thirty members, who must subscribe for stock, and the requirement that all loans must be passed on by a local board of seven are among the difficulties mentioned. There was, however, some increase in the membership of existing Associations.

The following statement shows the Associations functioning as of October 31st, 1923, with the total loan granted to them to that date, together with amount of interest due December 31st, 1923, and payments made on account of both principal and interest:

Farm Loan Association	Number of Borrowers	Total Loans Granted	Interest Due	Principal Paid	Interest Paid
Roxboro	26	$17,600 00	273 63	$300 00	$276 13
Mosa	16	9,760 00	.....	.....	.....
Sault	16	7,850 00	198 19	1,372 03	221 84
Seneca	7	3,575 00	.....	.....	.....
Trafalgar	29	29,650 00	.....	2,500 00	77 01
Toronto	25	32,625 00	289 88	1,500 00	289 88
Balfour-Rayside	49	25,355 00	725 46	5,617 50	742 92
Cosby-Martland	29	7,950 00	250 93	1,222 63	272 46
Downie	28	24,565 00	.....	1,300 04	45 81
Ekfrid	30	27,685 00	469 27	4,225 00	482 80
Esquessing	30	30,000 00	670 09	4,066 00	728 07
Glanford	12	10,600 00	151 46	700 00	156 18
Howard	18	15,050 00	241 55	1,500 00	259 01
Nassagawaya	28	19,460 00	756 07	1,328 00	756 07
Nelson	26	22,450 00	386 82	2,750 00	478 60
North Grimsby	30	26,700 00	.....	2,950 00	59 19
Total	399	$310,875 00	$4,413 35	$31,331 20	$4,845 97

It will be seen that the interest was paid up in full and a small amount paid in advance. In addition, there was a considerable amount paid on principal. With this, as with the long term loans, the Board has regarded the matter of collections as of paramount importance. At the same time it should be understood that the renewal of a loan is not in any sense an indication of its unsoundness. At the time loans are made it is stipulated that they shall fall due on December 31st, next ensuing, but there is an understanding that if the loan, which is usually made for some productive purpose, has not fully accomplished its purpose, there is no objection to a renewal as long as the interest is paid up. Even where renewals are thus granted, the Board will endeavour to see that some portion of the principal is also paid wherever possible. During the year two cases in one Association developed where the borrower found it necessary to make an assignment. The amount outstanding in these two cases was $2,200. The affairs of these borrowers have not yet been entirely straightened up, and hence it is impossible to state the final disposition of the loan. It would appear, however, that the Association will lose a portion of the amount advanced. This will mean a call on the outstanding stock and probably ultimately cause the loss of a few hundred dollars to the Province.

Near Self-Sustaining Basis

Another point of interest is as to the cost of operation. Appended is a detailed statement of expenditures and of earnings. It is, of course, understood that this Board administers both the long and short term systems, and there is no revenue from the short term system, so far as the Board is concerned. The expenditures cover the cost of head office administration, including inspection costs, legal fees, and payments on debentures sold to the Provincial Treasurer at the rate of 5 per cent. per annum. The revenue consists of the $12 fee charged for inspection, the legal fees charged for the completion of mortgages, and the interest at 6 per cent., which allows a 1 per cent. margin to this Board. As will be seen from the detailed statement, the earnings of the Board during the past year fall short of meeting the total cost, as thus outlined, by only $908.05. The total cost of operation was $170,631.81, and the total earnings were $169,723.76. If allowance was made for the expenditures necessary in the supervision of the non-revenue-producing short term organizations, the statement would show a surplus instead of the small deficit. As this, however, is only the second year of operation, the Board regards the reduction of the deficit from $10,255.77 to $908.05 a substantial step toward placing the work on an entirey self-sustaining basis. With an increasing volume of business and without a corresponding increasing expenditure, a surplus may be anticipated in future years. It is not desired to accumulate any large surplus, but it would be only reasonable that the surplus should be sufficient to set aside a sum which would act as reserve and be still further protection against any possible losses which might develop as the years go by.

Yours truly,

Agricultural Development Board.

A. G. Farrow, *Chairman.*

15 Queen's Park, Toronto,
December 31st, 1923.

AGRICULTURAL DEVELOPMENT BOARD

A. G. Farrow, Chairman; W. B. Roadhouse, Deputy Minister of Agriculture; T. R. Jennings, Assistant Provincial Auditor.

AGRICULTURAL DEVELOPMENT BOARD

Twelve months ending October 31st, 1923

EXPENDITURE AND EARNINGS

Expenses		Earnings	
Inspection	$15,007 05	Interest on loans for twelve months	$149,052 28
Salaries	23,348 68	Inspection fees	14,275 73
Stationery and supplies	4,138 86	Board legal fees	5,420 42
Postage, telephone and telegraph	1,476 95	Credit by office equipment account less depreciation	975 33
Sundries	2,132 08	Balance (Being proportion of expenses not met by revenue from fees and interest.)	908 05
	$46,103 62		
Bank interest and exchange	52 88		
Accrued interest, bonds and debentures	124,475 31		
	$170,631 81		$170,631 81

AGRICULTURAL DEVELOPMENT BOARD

Statement twelve months ending October 31st, 1923

Mortgage loans	$4,132,984 55	Bonds (3, 4 and 5)	$200,000 00
Accrued interest	129,438 71	Debentures, 1 to 37 (less 2 cancelled)	3,988,000 00
Sundry charges, mortgages	1,545 92	Accrued interest	124,475 31
Office equipment	1,614 08	Sundry credits	805 31
Bank account, Canadian Bank of Commerce:		Insurance loss account	15,416 51
Current account $26,019 25		Provincial Treasurer	30,142 29
Capital account. 47,609 26			
	73,628 51		
Provincial Savings Office:			
Insurance loss account	15,416 51		
Sinking fund	3,085 40		
Regular receipts—balance	217 69		
Balance (Being proportion of expenses not met by revenue from fees and interest.)	908 05		
	$4,358,839 42		$4,358,839 42

ANNUAL REPORT

OF THE

COMMISSIONER

FOR

The Extra-Mural Employment of Sentenced Persons for the Year ending October 31st

1923

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1924

PRODUCED BY
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TORONTO
CANADA

To His Honour
The Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I herewith beg to present for your consideration the third annual report of the Commissioner for the Extra-Mural Employment of Sentenced Persons for the year ending October 31, 1923.

Respectfully submitted,

Lincoln Goldie,
Provincial Secretary and Registrar-General.

The Honourable Lincoln Goldie, M.P.P.,
Provincial Secretary and Registrar, Ontario.

Sir:

I have the honour to present herewith the Third Annual Report of the Commissioner for the Extra-Mural Employment of Sentenced Persons for the year ending October 31st, 1923.

I have the honour to be, Sir,

Your obedient servant,

Alfred E. Lavell,
Commissioner.

REPORT OF THE COMMISSIONER FOR THE EXTRA-MURAL EMPLOYMENT OF SENTENCED PERSONS

TABLE OF STATISTICS, 1923

	Men	Women	Total for 3 Years
Permits granted	218	27	641
Committed crime and re-sentenced	3	1	5
Broke O.T.A.	2	..	3
Escaped	6	5	15
Re-captured and re-sentenced (to date)	3	2	7

Aggregate days on permit (see page 6), 18,311; over 35,000 days for two years. Wages earned on permit, over $50,000; over $90,000 for two years.

A few who were granted permits were found to be not sufficiently amenable to discipline and were returned inside the institution. Several of these were there given an extra penalty and were again granted permission to support their dependants. One lesson was sufficient and they behaved well till the expiration of their sentence.

Women offenders present an exceedingly difficult problem. Most of our women prisoners in Ontario institutions are subnormal and immoral. It seems advisable, however, to give at least to some of them an opportunity for rehabilitation under supervision, and the strict conditions of a permit seem to give greater promise of success than the milder restrictions of parole. The Ontario Board of Parole has, therefore, in a number of cases recommended women for permits instead of parole. I have done my best with these but in spite of my efforts, ably seconded by the Assistant Parole Officer for Women, the Salvation Army and other agents, a number of these women have proven themselves intractable.

In all cases, both of men and women, the same principles and policy have been followed as were outlined in my last annual report, though in their application some new experiments were tried with rather good success. The majority of men granted permits were those who had dependent families and their permits were granted almost solely in order that they might assist their families. Great care has been taken before action to be sure, so far as this was possible, that these men were really interested in and concerned for their families. So far as their custody is concerned, it has been justifiably assumed that this concern for their dependants was as efficient a deterrent to escape as stone walls and locks, and a greater stimulus to good behaviour. In all cases, however, a deputy custodian acts on my behalf and in many cases it has been considered advisable, in the public interest, that the person on permit should go each night into a gaol or other place of safe custody at least for a considerable part of the sentence. The strict penalty meted out to those breaking instructions has also undoubtedly had a salutary effect upon the discipline. One man who ran away within a week after he had been granted a permit to support his wife and three children, was recaptured and was given two years in the penitentiary. Another was given a long extra sentence in the reformatory. Three who became intoxicated and violent were given a spanking by the superintendents of their respective institutions with salutary results, and when again placed outside gave us no trouble. Two hundred of the men gave little or no trouble of any kind while outside and played the game fairly throughout the year.

I have this year made further use of the permit system to deal with the cases of not a few young fellows, first offenders, who seemed to need the actual experience of prison for a short time but on whom the effect of longer actual incarceration would be distinctly detrimental. With the exception of three they have all responded to the treatment given them. In each case the young fellow granted a permit was for the long balance of his term placed at work and at home under the strict and kindly supervision of a deputy custodian appointed by me. The experience of this year will justify a further extension of this policy in the future.

One most valuable feature of our successful operations has been the hearty and intelligent co-operation of practically all officials, the Inspector of Prisons, the staffs of institutions, judges, magistrates, police, the Board of Parole and its staff, and many other agencies and persons, the Salvation Army, clergymen and many other good citizens throughout the Province. Without the co-operation of these, success would be utterly impossible. I would like to emphasize especially the active interest that is being taken in this experiment by the Department of Justice. In no case of breach of the Inland Revenue Act have I granted a permit save with the approval of the Commissioner of Customs and Excise, and he has only withheld his approval in one or two cases. In these his adverse attitude was wholly justified by the facts. The Remission Branch of the Department of Justice has in some cases recommended persons to me for permits whose cases seemed to call for some action but to whom the clemency of ticket-of-leave was deemed inadvisable.

The granting of a permit is not the extending of legal clemency to the offender. That rests entirely, in code cases, with the Minister of Justice and in the case of offenders against the Provincial law with the Attorney-General. This distinction is not at all a mere matter of words, but is fundamentally necessary to the success of the permit system. A permit is certainly an alleviation of the suffering of many innocent non-offenders, dependents and relatives of the offender, and is also an act of kindness to the offender himself in that it gives him an opportunity that was impossible within the limits of an institution, but the sentence is no more changed than it would be if the prisoner of an institution were transferred from the "bull-gang" to look after some special work on the outside edge of an institution as a "trusty." In fact some magistrates and chief constables deem it in some cases to be an additional hardship, and they have good grounds for this opinion. But no permit is put into effect against the wish of the sentenced person.

The system continues to work satisfactorily to the Province from a financial point of view. The fact that men on permit were self-supporting for an aggregate of 18,311 days and needed neither guarding nor feeding, nor any other expense in an institution, means a considerable sum saved to the Province. As the name of every person on permit is retained on the books of an institution as an inmate, the net per capita cost of maintenance of inmates as officially recorded (about $1.00 per diem in the Reformatory) is not raised by this system. It rather is slightly reduced, as the inmate when granted a permit ceases to be of any cost to the institution. Furthermore these men while on permit earned wages amounting to an average of over $3.00 a day—aggregating over $50.000—and the support of between one hundred and two hundred families was taken off the shoulders of the municipalities or philanthropic agencies. But as was stated in my last report, this financial feature, while important, is of much less importance than the human side of the operations, in that much undeserved suffering has been saved innocent persons and, while the sentence of the offender

was not interfered with, he was given the safest and surest means of re-establishment as a unit of society. The cost of the permit operations to the Province is at present not a very large sum. An allowance of $800 is given the Commissioner to cover all expenses of every kind except that of printing and postage. This represents the full cost to the Province of Ontario for the past year. I need not go into the many difficulties of the administration of this work. They have called for much thought and effort, but each year confirms me in my original opinion that the labour and thought are well expended and not only have brought valuable results in the past but will be the basis for far greater results in the days to come.

At its inception the chief difficulty and danger of the experiment was thought to be the custodial. This indeed has been difficult but in the three years of our operations there has been a failure in this respect of but three and one-half per cent. In view of the great benefits which the system brings, this record is, I think, good, and I see no reason why this very small per cent. of failure (which compares very favourably with intra-mural custodial records) should grow any larger.

The following are a few sketches which may illustrate what has been and is being done.

(a) A Canadian born in 1886. A clever mechanic. Home partly paid for. Was convicted of theft and given from nine to twenty-four months. If much of the sentence were served actually inside a reformatory the family would lose all. On recommendation of the Board of Parole he was, after six months, granted a permit with the promise of parole provided his behaviour on permit had been satisfactory. His trouble was liquor. After three months he fell; was placed in the gaol by me for some weeks and again allowed out. His behaviour after that was such that it was considered right to parole him in December and he has since done well, the home has been saved and the family provided for.

(b) An Englishman forty years of age. Convicted of bigamy and given twelve to twenty-four months. He had served in the C.E.F. overseas. My note when interviewing him is "shifty eyes and a liar—won the war, a good worker." A permit was granted him. Reconciliation was effected with real wife. Other girl was provided for. He was eventually paroled and has since done well earning from $5 to $10 a day.

(c) A Canadian thirty years of age. Convicted and given twelve months for theft of car. Had served overseas and while there married a good Scotch girl, all whose people live in the Old Country. Was granted a permit, has since done well earning $4 a day.

(d) Convicted of B.O.T.A. and given five months. Has an invalid wife and crippled son supported by the Salvation Army. Granted a permit and has since done better than he ever did before. Takes an active and sincere part in the Salvation Army and also earns a good livelihood.

(e) Convicted of theft and given twelve to twenty-four months. Has a wife and five children. A permit was granted him after four months. His behaviour was such that he was eventually paroled. He has since earned not less than $3 a day and is doing well.

(f) A Canadian twenty-two years of age. Was given twelve to eighteen months for theft of a pocket-book. Excellent parents, good schooling, good worker, thrifty. Has two life endowment policies. Had tendency to take small things not his own. Granted a permit six months afterwards. Behaviour was such as to enable the Board of Parole to grant him his parole at the expiration of his twelve months. He has since done well.

(g) A Canadian thirty years of age. Given twelve to eighteen months for theft. Had a very bad father. His mother died when he was a child. The man was industrious, intelligent and studious. Worked as a clerk. He was given an early permit and has since done well, earning not less than $110 each month.

(h) A Canadian thirty-six years of age. Was given six to twelve months for theft. Had a sick wife and child. No previous convictions. His trouble was liquor. Granted a permit in four months, was paroled at the expiration of his definite sentence. Has since done well, earning $4 a day.

(j) A Canadian thirty-four years of age. Convicted of stealing chickens and given twelve to twenty-four months. A dependent wife and child. A permit was granted him in six months. He was paroled at the end of his definite sentence. He changed completely, has done better than he ever did before in his life and earns $6 a day.

(k) A Canadian, living in one of the dirtiest holes we ever saw. The only support of his mother and younger brothers and sisters. It seemed like a tragedy to ask him to step out of one of our fine institutions to undertake the burden of his mother and family, but he willingly accepted the permit and has done well.

(l) A Canadian twenty-two years of age, convicted of theft and given twelve months. On the recommendation of the trial judge, who had observed with approval the results of a permit granted to another man, a permit was granted him after a few months. He went home to his good parents and under their care, as well as that of the chief constable and the Salvation Army, did well until the expiration of his sentence and doubtless will continue to do so.

(m) A Canadian sixteen years of age. Convicted of theft and given six and six months. No previous convictions. Had a lame hip. Good parents. Permit was granted him after a few months. He was then paroled and has done well ever since.

(n) An Italian given three to twenty-four months for perjury. Arrived in Canada 1907, naturalized 1912. Has a wife and three small children. Runs a fruit store. On recommendation of the magistrate a permit was granted him. He was then paroled; has since done well, earning not less than $4 a day.

(p) A Canadian born 1898. Convicted of theft of an auto. Has a humble home, good wife. Served overseas. Has since been addicted to liquor. Had one previous conviction. A permit was granted him after eight months. He did well under the very efficient care of the chief constable and after discharge has continued to do so.

(q) A Canadian eighteen years of age. Convicted of theft in November. Given nine and nine months. He was a weaver. Has a mother and young family to support. On recommendation of the magistrate he was granted a permit and eventually paroled. He has since done well, earning from $2 to $3 a day.

(r) A Canadian born in 1887. Convicted in December and given twelve months for theft. His trouble was liquor. Had held good position. Was granted a permit after five months in order that he might support his wife and children. Has since done well, earning $6 a day.

(s) A Canadian nineteen years of age. Convicted of theft and given twelve months. Dependent parents and two younger brothers, one afflicted with T.B. Also two sisters. One previous conviction. A permit was granted him after six months. He has since done well, earning $3 a day.

(t) A Canadian nineteen years of age. Convicted of theft and given three to twenty-four months. An excellent mother. His father is a returned soldier. He was paroled but broke his parole by getting drunk. Not at all

a weak character except for drink. He was, on recommendation of the chief constable, continued on parole but having been again arrested he was returned to the institution. Soon after he escaped and was re-sentenced. Believing he could be re-established in spite of this, and on recommendation of the chief constable, I granted him a permit and he was sent out to his father's farm twenty miles from a town. He has since done well and will undoubtedly make good.

The above examples have been chosen at random. The other cases would have sufficed equally well. The records as given are, of course, greatly condensed.

Temiskaming and Northern Ontario Railway Commission

THE MINING INDUSTRY

In that Part of

NORTHERN ONTARIO

Served by the

Temiskaming and Northern Ontario Railway

ONTARIO GOVERNMENT RAILWAY

CALENDAR YEARS 1922 AND 1923

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

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1924

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TORONTO
CANADA

To His Honour the Honourable Sir William Mulock, K.C.M.G.,

Chief Justice of Ontario, Administrator of the Government of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour Report on the Mining Industry in that part of Northern Ontario served by the Temiskaming and Northern Ontario Railway Commission, for the years 1922 and 1923.

Respectfully submitted,

G. H. Ferguson,

Prime Minister.

Toronto, February 26th, 1924.

The Honourable G. Howard Ferguson,

Prime Minister and President of the Council,

Parliament Buildings, Toronto, Ontario.

Sir,—I have the honour, by direction, to submit, herewith, Report on the Mining Industry in that part of Northern Ontario served by the Temiskaming and Northern Ontario Railway Commission, for the years 1922 and 1923.

I have the honour to be, Sir,

Your obedient servant,

W. H. Maund,

Secretary-Treasurer.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION

Geo. W. Lee - - - - - -	Chairman, North Bay.
Col. J. I. McLaren - - - - -	Commissioner, Hamilton.
Lt.-Col. L. T. Martin - - - - -	Commissioner, Ottawa.
W. H. Maund - - - - - -	Secretary-Treasurer, North Bay.
A. A. Cole - - - - - - -	Mining Engineer, Cobalt.

INTRODUCTION

During the years 1922 and 1923 steady progress has been shown in the mining industry of Northern Ontario. Developments have not only materially added to the ore reserves of the producing mines, but have increased the number of producers as well as extending both gold and silver areas by new discoveries. The great handicap to expansion in the gold district was a shortage of power, due to an abnormally low rainfall in 1922. The rainfall was 28.05 inches as compared with an average for the previous eight years of 32.41 inches. This trouble was largely overcome with the spring break-up of 1923. Later, with the advent of additional power from Sturgeon Falls on the Mattagami River, and Indian Chutes on the Montreal River, the demand from extensions was satisfied for the time being.

Large mill expansions are already planned for the coming year, but the power developments under way on the Quinze river and the Abitibi river will be more than ample to take care of these.

In recent years the small gold mine operator has been heavily handicapped regarding power in Porcupine, for when a shortage occurred he was given little or no power in order that the larger consumer with a steady contract should have part at least of his wants satisfied. Now the small operator can get all the power he requires.

The growing importance of the mining industry in that part of Northern Ontario served by the T. &. N. O. Railway, may be gauged with a certain degree of accuracy by a perusal of the dividend statements of the three principal camps —Cobalt, Porcupine, and Kirkland Lake.

DIVIDENDS

	During 1922	During 1923	Total to end 1923
Cobalt	$1,730,000 00	$2,050,000 00	$96,063,820 60
Porcupine	5,583,210 80	6,254,544 48	34,193,037 16
Kirkland Lake	492,500 00	435,000 00	1,726,125 00
	$7,805,710 80	$8,739,544 48	$131,982,982 76

JAMES BAY EXTENSION

Ontario's expansion, on account of its geographical position, must of necessity be northward. Perhaps the greatest single factor in the opening up of Northern Ontario has been the T. & N. O. Railway (Ontario's Government Railway), extending northward 253 miles from North Bay to Cochrane. The remarkable richness of the country opened up has over and over again justified its building.

The extension of the railway northward from Cochrane has been started, but only the first 70 miles are at present under construction. Track was laid and ballasted to the bridge at the second crossing of the Abitibi river, 44.4 miles from Cochrane, and since the first of November the Commission has been operating a tri-weekly construction service from Cochrane to Island Falls Junction,

at mileage 43, where connection is made with a spur line three miles long to the Hollinger power development now under construction at Island Portage, on the Abitibi river. The line will be completed up to the Abitibi Canyon (mileage 70) during the coming summer. As this 70 miles of railway follows down the Abitibi river and is through a clay belt very similar to the better known agricultural land along the older portions of the T. &. N. O., the chances of mineral development in its vicinity are not great. Eventually, however, when the line is extended to tide-water (190 miles from Cochrane), making easily accessible the vast inland seas of James and Hudson Bays, an enormous area of almost untouched country will be opened to the prospector. This country has a shore line more than 2,000 miles in length. This area is covered for the most part by pre-Cambrian rocks, the ancient backbone of the continent. When the fact is considered that this Archæan area comprises 2,000,000 square miles, of which only a few hundred have been worked over in detail, but which have already shown up the nickel-copper deposits of Sudbury, the silver-cobalt veins of Cobalt and the Porcupine gold area, it is natural to expect that further exploration will discover other Sudburys, Cobalts and Porcupines. It will require only one good discovery to start the flow of fortune seekers into this great northland, and the area to be covered is so immense that many years must necessarily elapse before the mineral possibilities can be made known even in the barest outline.

With the railway completed to a point on tide-water, such as Moose Factory, it is reasonable to suppose that small steamers will be placed on these inland seas to look after the summer traffic. About the beginning of June the spring break-up takes place in the rivers, and navigation on the bays can be resumed a few days later. This navigation can be continued with reasonable safety for five months, or to the end of October, and often to the middle of November. Navigation in the bays is not dependent on the condition of ice in Hudson Strait. Here only three months (August, September and October) of clear navigation can be counted on.

The expenses of prospecting in this vast territory have hitherto been almost prohibitive. Apart from this also the time consumed in going to and from the point where exploration was to be made was in itself so serious an obstacle that only a few government exploration parties have penetrated the interior. The result was that even with government parties, where the necessary funds were assured, the only rational method of extending the length of the exploration season, in order to make the return at all commensurate with the expenditure, was to winter in the north so as to be able to take up the work without delay as soon as the spring break-up took place.

With the completion of the railway to a point on James Bay, and with small steamers making regular trips on the bays, a party could outfit at tidewater and be at almost any coast point desired by the middle of June. The party would then have a clear four months' exploration before it would be necessary to make the return trip. The cost should not be excessive considering the facilities provided.

Kirkland Lake Extension

The Legislature decided to construct a branch of the railway from Swastika east to serve the mining district of Kirkland Lake and Larder Lake, and the laying of steel commenced as the year closed. This line as at present planned will be 22½ miles long. It is being built under the Dominion charter of the Nipissing Central Railway and the surveys have been extended east into Quebec as far as the Lake Fortune and Rouyn goldfields. During the summer months most of the freight and passenger business for these new camps went up the

Ottawa and Kenojevis rivers, but as soon as navigation closed, practically all traffic was diverted to Dane Station on the T. &. N. O. Railway. By the end of the year the winter road from Dane to Rouyn was in good condition. The distances are approximately as follows:

Dane to Crown Reserve Mine (Larder Lake)	19 miles
Crown Reserve to interprovincial boundary	11 "
Boundary to Lake Fortune	12 "
Lake Fortune to Lake Pelletier (Rouyn)	14 "
	56 miles

With the completion of the branch to the Crown Reserve next summer, the trip from the end of steel into Lake Pelletier (Rouyn) would be reduced to 37 miles. This road follows more or less along the strike (E. & W.) of the possible gold-bearing formations.

Location of Northern Ontario's Power Developments
(For Key Map see next page)

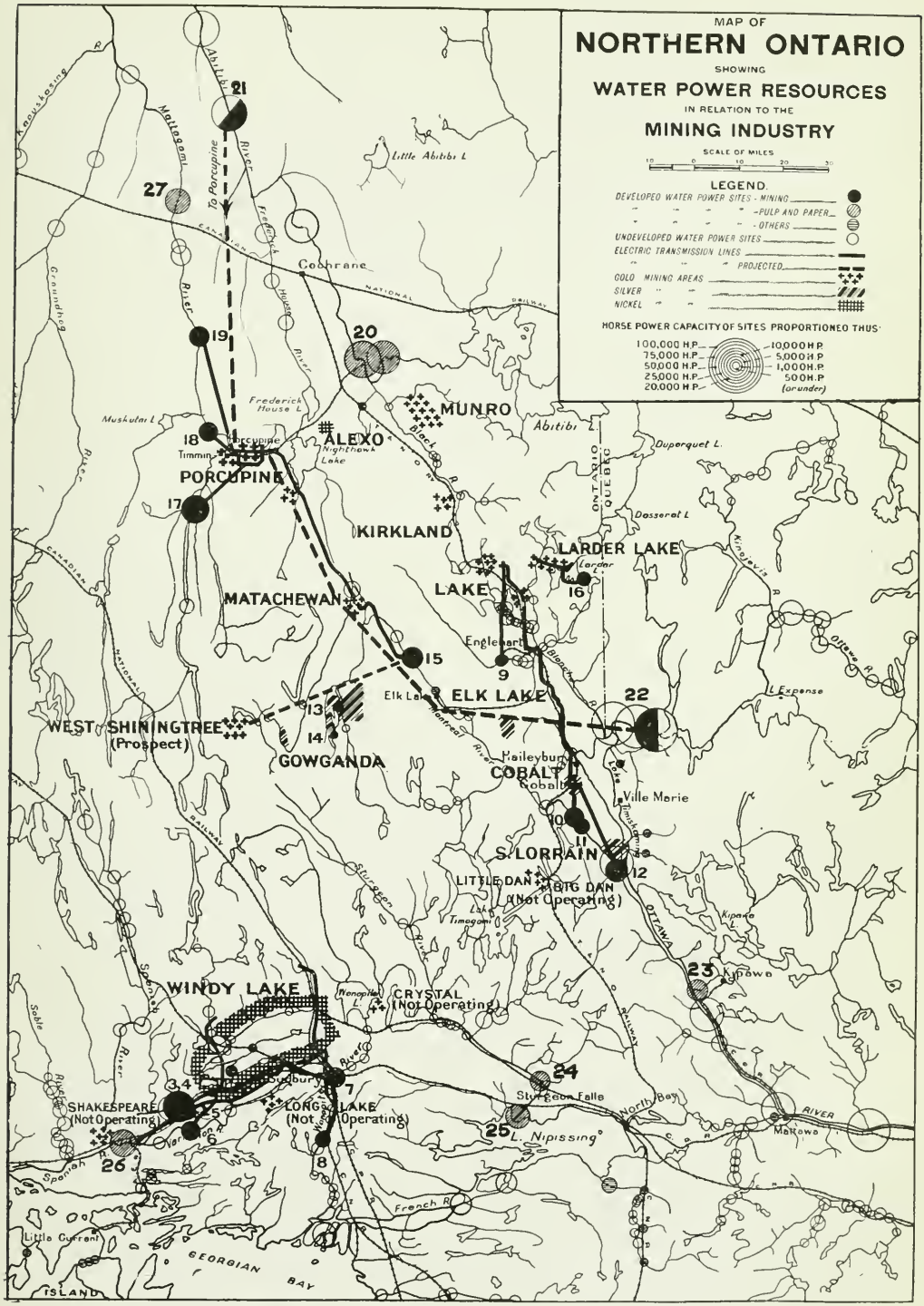
Map No.	Power Company	Location	H.P. Capacity
3	International Nickel Company	Spanish River	13,800
4	International Nickel Company	Spanish River	7,500
5	Lorne Power Company	Spanish River	4,800
6	Lorne Power Company	Vermilion River	4,800
7	Wahnapitae Power Company	Wahnapitae River	6,600
8	Wahnapitae Power Company	Wahnapitae River	3,600
9	Northern Ontario Light & Power Company	Blanche River	1,080
10	Northern Ontario Light & Power Company	Montreal River	5,340
11	Northern Ontario Light & Power Company	Montreal River	3,040
12	Northern Ontario Light & Power Company	Matabitchewan River	11,000
13	Gowganda Power Company	Montreal River	800
14	South Bay Power Company	Montreal River	250
15	Great Northern Power Company	Montreal River	6,000
16	Associated Gold Fields	Raven River	1,600
17	Northern Canada Power, Limited	Mattagami River	14,900
18	Northern Canada Power, Limited	Mattagami River	4,900
19	Northern Canada Power, Limited	Mattagami River	8,000
20	Abitibi Power & Paper Company	Abitibi River	28,000
21	Hollinger Consolidated Gold Mines	Abitibi River	24,000
22	Northern Canada Power Company	Quinze River	26,000
23	Riordan Company, Limited	Ottawa River	7,200
24	Spanish River Pulp & Paper Company	Sturgeon River	10,400
25	Spanish River Pulp & Paper Company	Sturgeon River	13,390
26	Spanish River Pulp & Paper Company		4,950
27	Mattagami Pulp & Paper Company	Mattagami River	9,350

(By permission of the *Electrical News*.)

POWER

An abundance of cheap power is a factor of prime importance in the development of the mining industry in Northern Ontario. To generate power by steam is generally resorted to in the pioneering days of a camp, using the local wood supply for fuel. This stage is quickly passed and coal has to be imported. Fortunately, Northern Ontario is blessed with many excellent waterpowers. A number of these have already been developed, while construction is now proceeding on others.

During the past two years additions have been made or are now under construction as follows, the numbers referring to the key map shown on page 9:


MAP OF
NORTHERN ONTARIO
SHOWING
WATER POWER RESOURCES
IN RELATION TO THE
MINING INDUSTRY
SCALE OF MILES
LEGEND.
DEVELOPED WATER POWER SITES - MINING
- PULP AND PAPER
- OTHERS
UNDEVELOPED WATER POWER SITES
ELECTRIC TRANSMISSION LINES
PROJECTED
GOLD MINING AREAS
SILVER
NICKEL
HORSE POWER CAPACITY OF SITES PROPORTIONED THUS:
100,000 H.P.
75,000 H.P.
50,000 H.P.
25,000 H.P.
20,000 H.P.
10,000 H.P.
5,000 H.P.
1,000 H.P.
500 H.P. (or under)
Abitibi R.
Little Abitibi L.
Matheson
To Porcupine
Cochrane
Frederick House L.
Muskutai L.
Porcupine
Timmins
PORCUPINE
ALEXO
Nighthawk Lake
MUNRO
Abitibi L.
Duparquet L.
Dasserat L.
KIRKLAND
LAKE
LARDER LAKE
Larder
MATACHEWAN
Englehart
Elk Lake
ELK LAKE
WEST SHINING TREE
(Prospect)
GOWGANDA
Haileybury
COBALT
Cobalt
Ville Marie
Lake Timiskaming
S. LORRAIN
LITTLE DAN
BIG DAN
(Not Operating)
Lake Timagami
Sturgeon R.
WINDY LAKE
Nonopiko L.
CRYSTAL
(Not Operating)
Sudbury
SHAKESPEARE
(Not Operating)
LONG LAKE
(Not Operating)
Sturgeon Falls
North Bay
L. Nipissing
Mattawa
Kipawa
L. Expanse
Little Current
GEORGIAN BAY
ISLAND
French R.
Spanish R.
Sable R.
Montreal River
Blanche R.
Black R.
Groundhog R.
Kinogevis R.
Ottawa R.
Canadian National Railway
Canadian Pacific Railway
Ontario Quebec Railway
Temiskaming & Northern Ontario Railway
Ottawa River
Kipawa River
Mattawa River
Spanish River
Sable River
Frederick House River
Horse River
Black River
Groundhog River
Kinogevis River
Montreal River
Blanche River
Ottawa River

12. Matabitchewan Plant

Alterations are at present being made by the Northern Ontario Light & Power Company in their Matabitchewan plant which will increase its capacity from 10,000 to 13,000 horsepower.

15. Indian Chutes, Montreal River

At Indian Chutes on the Montreal River, 12 miles above the town of Elk Lake, the Great Northern Power Company has installed a power plant. The original head of 28 feet has been increased to 48 feet by controlled water elevation.

The installation consists of a Boving double runner horizontal turbine driving a 2,200-volt Canadian Westinghouse generator of 1,800 K.V.A. capacity, at 80 per cent. power factor. Three transformers step up the current from 2,200 to 66,000 volts.

The transmission equipment consists of one 3-phase, 66,000-volt, 60-cycle aluminum steel-cored line on wooden poles with 200 feet as the normal span. A distributing station at South Porcupine steps this voltage down to 12,000 for distribution to the mines.

No. 1 unit has been operating since last September. No. 2 unit, which is a duplicate of No. 1, is now being erected and is expected to be in operation by the end of January, 1924. All provision has been made for No. 3 unit, which will be set in place when needed.

The mines now being supplied by this company are the Davidson and Newray at Porcupine and the Nighthawk Peninsular at Nighthawk Lake.

16. Raven Falls

The Canadian Associated Goldfields is increasing its plant at Raven Falls south of Larder Lake by the addition of a third unit. Its Wendigo Falls development is expected to be completed during 1924. This company not only supplies its own power requirements, but also furnishes the power used by the Argonaut mine and mill.

19. Sturgeon Falls, Mattagami River

The Sturgeon Falls development of the Northern Canada Power, Limited, is located on the Mattagami River about thirty miles northwest from Timmins. Two I.P. Morris vertical type turbines have been installed with a capacity of 4,000 horsepower each at 42-foot head, but considerably more power is obtained from the 47-foot head which is available. Generators are each of 4,000 K.V.A. capacity, which supply current at 25 cycles, 44,000 volts.

For transmission a No. 2 solid copper line is used, strung on wooden poles, with 135 feet as the normal span. This development is connected up with the Sandy Falls and Wawaitin stations of the same company at the Timmins substation. This new development was brought into operation in June, 1923.

21. Island Portage, Abitibi River

The Hollinger Consolidated Gold Mines, Limited, are constructing a plant on the Abitibi river at the Island Portage, 1½ miles below the bridge site at mileage 44.4. The site of the plant is about 76½ miles due north from the Hollinger mine. The immediate development contemplates two units of 12,500 horsepower each, with provision to increase to the full capacity of the Abitibi river at this point when the demand for power warrants it. The development of the power is based on a 60-foot regulated head. Power from this plant should be available by the end of 1924.

22. Ka-Ka-Ke Falls, Quinze River

Northern Canada Power, Limited, is at present developing 20,000 horsepower at the Ka-Ka-Ke Falls on the Quinze river. This plant will ultimately develop 60,000 horsepower. The first 20,000 horsepower generator will be of Swedish make.

A transmission line 125 miles long, running northwest to Porcupine, is under construction, using steel towers with a normal span of 650 feet.

Where the transmission line crosses the Kirkland Lake line from Cobalt, arrangements will be made whereby power may be converted from 25 to 60 cycles, so that when increased power is required in Kirkland Lake, the necessary supply will be available.

The main substation is being built near the north side of Pearl Lake, in the Porcupine district. It is expected that power will be available from this source during the coming summer.

GOLD

The geology of Northern Ontario has been known in a general way for many years, but the detailed work generally followed the trail blazed by the successful prospector. The areas studied were at first isolated, but as the productive country became more completely mapped, conclusions of a general character regarding the ore deposits could be more readily drawn. An important generalization of this character appears in the Lightning River report of Cyril W. Knight, Assistant Geologist of the Ontario Department of Mines. Here Mr. Knight speaks of two roughly parallel gold-bearing bands running across country, one to the north, the other to the south, of the height of land, as follows:

"The discovery this year (1922) in the Lightning River area of Temiskaming sediments, consisting of conglomerate, greywacké, and slate, raises the question as to the relation of the gold deposits of north-eastern Ontario to these belts of sediments.

"Beginning at the Dome Mine in Porcupine, there is a belt of these sediments striking eastward for 16 miles, the last known outcrop being in German township. To the east for 27 miles the rocks are almost entirely drift-covered. Then there outcrops another belt of the sediments, about nine miles long. In the Croesus belt, for a distance of 22 miles, the rocks are again almost entirely drift-covered, until in the Lightning River area, conglomerate, greywacké and slate once more make their appearance in a few places. These three occurrences of Temiskaming sediments, namely, the Dome mine, the Croesus and the Lightning River, may belong to the same great east and west belt of deeply infolded sediments.

"From 25 to 40 miles south of the great belt of sediments referred to in the preceding paragraph is another important belt of similar rocks, of which the Kirkland Lake band forms the most important part. This south belt begins in Midlothian township, outcrops again in the Matachewan gold area, and is developed to the east in large volume in Kirkland Lake and Larder Lake. Over much of this belt gold occurs.

"Thus there may be said to exist in north-eastern Ontario two main gold belts which contain the most important gold mines in the province. The belts are roughly parallel to each other and 25 to 40 miles apart. Each is in the neighbourhood of 70 miles in length, and each follows a belt of Temiskaming sediments consisting of conglomerate, greywacké, and slate. Occurring in, or near, the northern belt of sediments are the Dome and other mines, the near-by Hollinger mine, the Croesus and the gold prospects of the Lightning River area. The south band includes the Matachewan, Kirkland Lake and Larder Lake deposits.

"In emphasizing the broad general relationship between belts of Temiskaming sediments and gold deposits it is not meant to underrate the immense influence which intrusions of feldspar-porphyry and quartz-porphyry have played in the formation of the gold deposits.

"Therefore, to the prospector we would say: *Explore for feldspar-porphyry and quartz-porphyry intrusions in or near these great belts of sediments.*"

Dr. H. C. Cooke, of the Geological Survey of Canada, by correlating rock formations in the province of Quebec, extending east from Larder Lake, with the Temiskaming Series of Kirkland Lake, has shown the southern belt of probable gold-bearing rocks to extend 100 miles east into Quebec.

The year 1922 was a noteworthy one in the gold mining industry of Northern Ontario, not only on account of the 40 per cent. increase over the previous year, but also from the contrast with the decline in production that is reported from practically every other gold-producing country in the world.

The output for the past year shows a small decrease from 1922, which may still be considered a creditable showing in view of the fact that milling was very much curtailed during the first half of the year due to shortage in power. With this handicap overcome, the production during the second half of the year was at the rate of about $23,000,000 per annum.

Gold Production of Northern Ontario, 1918-1923

1918	$8,502,480
1919	10,451,709
1920	11,686,043
1921	14,624,085
1922	20,668,692
1923	20,060,117

Porcupine District

The three principal producers in the Porcupine district were the Hollinger, Dome, and McIntyre, but these were joined towards the end of the year by the Nigh Hawk Peninsular, and the Vipond. Still others are likely to be added to the list during 1924.

Hollinger Consolidated Gold Mines, Limited

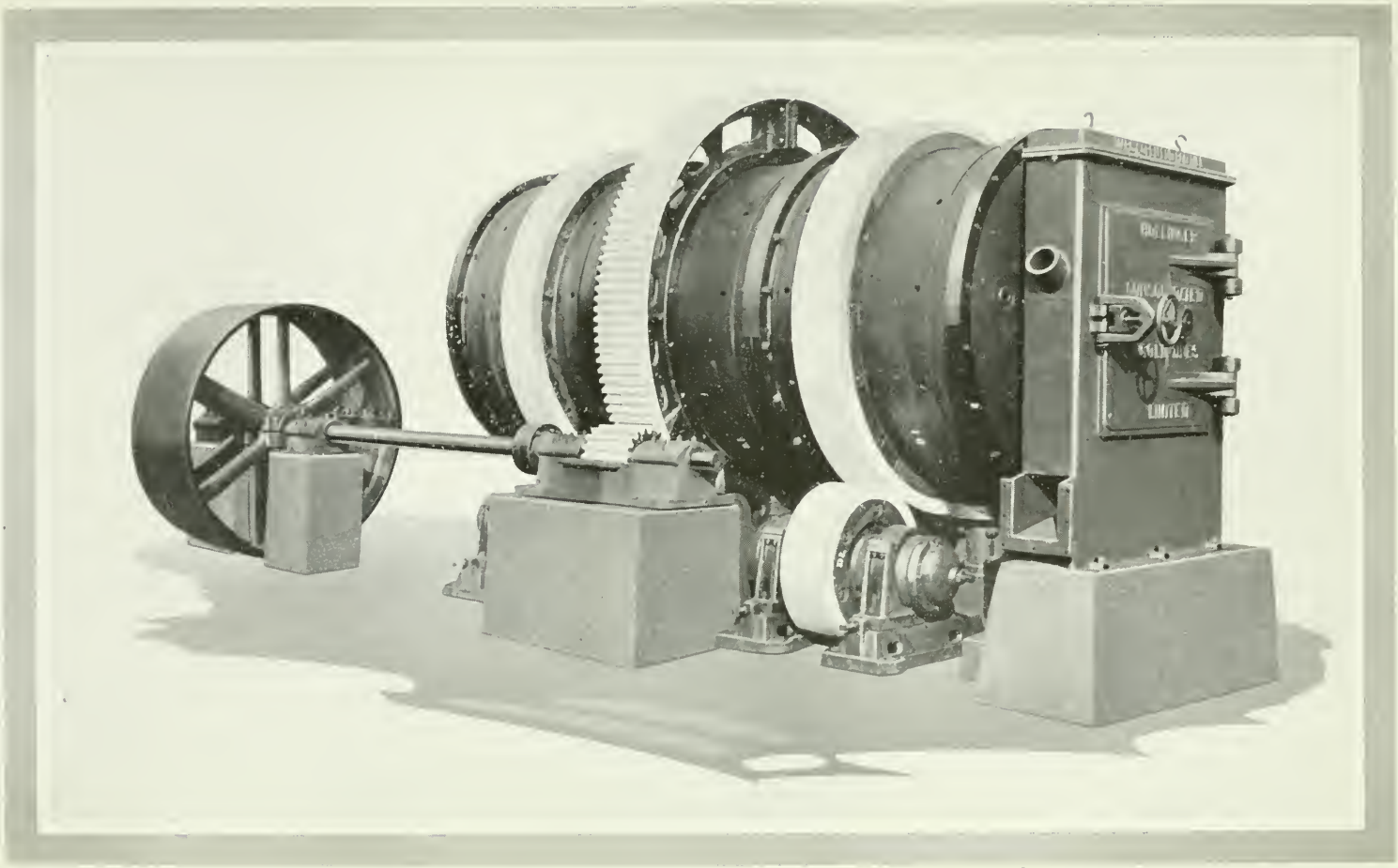
The Hollinger Company issued an interim report on the 7th October last, from which most of the following notes are gathered:

Assets

Capital Mining Property, Plant Investments in other Companies, etc..	$24,807,982 53
Current Accounts rec., accrued interest, charges paid in advance, etc..	181,358 40
Stores	762,888 28
Dominion Victory Bonds	3,067,375 00
Prov. and Mun. Bonds	1,668,385 05
Cash and in banks	290,800 64
Bullion in transit, solutions on hand, slag, litharge, etc	560,057 08
	$31,338,846 98

Liabilities

Capital Stock	$25,000,000 00
In Treasury	400,000 00
	$24,600,000 00
Current Accounts payable, wages reserve for 1922, taxes payable and suspense account	720,457 68
Surplus—Balance from 1922	5,909,469 77
Profits, Jan. 1 to Oct. 7, 1923	2,570,204 53
	$8,479,674 30
Less—Dividends paid	2,460,000 00
Donations	1,285 00
Surplus	6,018,389 30
	$31,338,846 98



One of the five 7′ x 15′ Marcy Roller Mills being installed by Hollinger Consolidated Gold Mines Limited, Timmins, Ontario. These are the largest rod mills that have ever been built. Each mill is designed to replace forty stamps, weighs approximately 167,000 lbs. with lining, and will carry approximately 30,000 lbs. of high carbon steel rods 15′ long by 1¼ to 3″ in diameter.

"Commenting on the balance sheet it will be observed that liquid assets amount to $5,348,109.74; stores $762,888.28, in addition to which payments on the Schumacher amounting to $1,650,000 and McKay properties $84,168.00 have been made, these sums amounting in all to $7,845,166.02, as against which the surplus shown is $6,018,389.30. It will also be observed that profits to date have been more than sufficient to provide for customary dividends.

"As is well known to shareholders, the unprecedented power shortage which continued until 13th July, 1923, greatly hampered operations, causing a loss in tonnage alone of 265,229 tons besides materially increasing the working costs due to the diversion of the company's air compressing plant to partially supply the shortage of the Northern Canada Power Company, and the reduced tonnage going to the mill. Had it not been for the power shortage the current year would have established a new record for the Hollinger company.

Mine and Mill.—It would be misleading to make any definite statement as to the working costs in the early part of the year owing to the almost complete suspension of hydro-electric power, but the five four-weekly periods ending 7th October were approximately normal, and disclose operating costs for the mine as $3.06 per ton and for the mill $1.05 per ton, which, together with general charges but excluding plant expenditure, make a total of $4.89 per ton.

The larger amounts for capital expenditure are represented by a complete and very much enlarged crushing plant and the addition of five rod mills each of which is designed to supplant forty head of stamps. One mill is successfully operating now, two are just about ready to start, and a further two are on the property and will shortly be erected. These Marcy mills are the largest rod mills in the world. Each one weighs 167,000 pounds and is designed to crush 750 tons a day from 1½-inch feed to a 10-mesh product.

The daily tonnage treated in the mill has been raised to 4,400 and plans are nearing completion for a further extension up to 7,000 or 8,000 tons. The fulfilment of these plans will likely be deferred till the company is receiving its own power at the end of 1924.

The company now employs 2,567 men in all branches of its operations, not including those engaged on the power development.

The Dome Mines Company, Limited

The following extracts are taken from the company's report for the fiscal year ended March 31st, 1923:

During the year a total of 418,177 tons was hoisted. Of this 363,000 tons was ore which was sent to the mill and treated, and 55,177 tons was waste which was dumped on the surface.

The 363,000 tons milled yielded bullion worth $4,278,935.87, the average yield per ton being $11.788. The tonnage treated is only 3,000 tons higher than last year, or 0.83 per cent., while the value of the bullion produced has increased by $1,469,483.49, or 52.3 per cent.

Development and Mining.—Stoping and development have been carried on from the horizon of the 3rd level to the 12th level. Also the main shaft has been sunk 125.5 feet to a point 34 feet below the 13th level. The 13th level station has been cut out and a temporary bin installed so that the development of this level can be started when desired. The 13th level has a vertical depth of 1,650 feet.

The broken ore reserve in the mine now amounts to upwards of 500,000 tons, as against 275,000 tons a year ago.

A crusher station has been cut out on the 12th level and a large jaw crusher, similar to the one at the 8th level, installed. A system of ore passes enables this installation to handle the ore from 9th, 10th, 11th, and 12th levels. A large ore bin under the crusher, together with loading hoppers, permits rapid and economical handling of the ore from these levels. A similar system of passes for waste has been provided.

Of the 363,000 tons milled, 312,649 tons, averaging $12.897 per ton, came from the stopes, and 50,351 tons, averaging $7.277 per ton, came from development work. The grade of development ore is lower than a year ago, as much of the development work has been carried out nearer the margin of the ore bodies, and higher grade ore has been developed in the stope sills.

The expenditure on mining was $654,975.97, or $1.804 per ton milled, as against $1.545 per ton milled during the past year. The increase is entirely due to increased cost of steam power during the latter months of the year, and the great increase in ore broken accumulated in the stopes, while the tonnage milled has not increased materially.

The expenditure on development work was $519,095.75, or $1.430 per ton milled, as against $404,171.27, or $1.123 per ton milled a year ago. The increase is due to the greater amount of work done, 19,391 feet of drifting, crosscutting, sinking, etc., as against 12,263.5 feet a year ago, while diamond drilling amounted to 16,620.58 feet, as against 17,506.64 feet a year ago.

Ore Reserves.—Stoping operations have disclosed important additions to our ore reserves, and the grade of certain stopes, particularly at the 7th, 8th, 9th, and 11th levels, has exceeded that expected. While these ore bodies present the irregularity both as regards outline and distribution of gold characteristic of the Dome, it is believed that no depletion of ore reserves has taken place during the year under review.

Mill.—The following are the treatment results from operation of the mill during the year:

		Per ton	Per cent.
Tons—363,000		$12.118	
Amalgamation Bullion	$2,527,528 38	6.9629	57.4591
Cyanidation Bullion	1,751,407 49	4.8248	39.8153
	$4,278,935.87	$11.7877	97.2744

The total milling cost was $422,504.51, or $1.164 per ton treated. The cost for last year was at the rate of $1.238 per ton. The decreased milling cost was mainly the result of a reduction in the price of some commodities, along with the small increase in the tonnage milled. The grinding has been finer than ever before, and whilst this naturally affects milling costs it has resulted in an extraction of 97.27 per cent., as against 95.13 per cent. for last year.

The increased work underground has necessitated additional tramming facilities, another storage battery electric locomotive and six cars having been added. A second underground crusher with motor and cables has been installed at the 12th level. No. 3 Bellis & Morcom 2,500-cubic-foot air compressor has been installed at the power house. Another important item of capital expenditure was that for twelve double houses erected for workmen on the Dome Extension ground.

General.—Operating costs amount to $5.255 per ton milled, as against $4,558 for the previous year. The increase is due to larger amount of development work, greater tonnage broken in stopes and increased cost of steam power as compared with hydro-electric power combined with lower tonnage milled and

general loss of efficiency throughout the whole operation due to power shortage during about five months of the year under review.

The calendar year 1923 closed with the 13th level being developed and the mill treating about 1,300 tons per day. In December the mill treated 39,200 tons, recovering $373,902, average $9.54 per ton, the lowest heads for more than a year. The following figures are obtained from a compilation of monthly reports:

Year	Tons	Recovery	Average
1921	335,680	$2,290,224	$6 82
1922	368,400	4,178,617	11 34
1923	399,800	4,374,124	10 94

McIntyre Porcupine Mines, Limited

The following summary of the operations and development of the McIntyre mine is taken from the annual report for the fiscal year ended June 30th last, with a supplementary statement to the end of the calendar year 1923.

Production.—In the operating year 240,615 tons of ore were treated of an average value of $9.96 per ton and a gross value of $2,397,303.00. The total bullion recovered amounted to $2,249,741.63 or $9.35 per ton of ore milled, and contained 107,997.36 fine ounces of gold and 26,377.86 fine ounces of silver.

Production Since the Commencement of Milling Operations in 1912

Date	Period	Tons Milled	Value per ton	Gross Value	Recovery	
					Per ton	Total
1912	12 months	14,500	$7 00	$101,555 16	$5 25	$76,166 38
1913	12 months	31,979	7 85	251,314 45	7 05	225,752 25
Jan. 1, 1914 to Mar. 31, 1915	15 months	85,654	8 87	760,232 16	8 39	718,331 71
April 1, 1915 to Mar. 31, 1916	12 months	105,758	7 71	815,345 49	7 38	779,990 94
April 1, 1916 to June 30, 1917	15 months	195,307	10 00	1,954,793 28	9 55	1,864,814 28
July 1, 1917 to June 30, 1918	12 months	178,327	10 05	1,793,197 55	9 61	1,714,258 00
July 1, 1918 to June 30, 1919	12 months	179,874	9 78	1,759,627 40	9 29	1,671,646 03
July 1, 1919 to June 30, 1920	12 months	188,835	11 52	2,175,891 31	11 02	2,080,178 44
July 1, 1920 to June 30, 1921	12 months	171,916	11 67	2,005,672 00	11 08	1,904,326 36
July 1, 1921 to June 30, 1922	12 months	193,971	10 69	2,074,088 40	9 99	1,937,105 07
July 1, 1922 to June 30, 1923	12 months	240,615	9 96	2,397,303 00	9 35	2,249,741 63
		1,586,736	$10 14	$16,089,020 20	$9 59	$15,222,411 09

Mining

Ore broken in stopes	227,247 tons
Ore from development	41,389 tons
Total	268,636 tons
Ore hoisted	242,891 tons
Waste hoisted	49,195 tons
Total	292,086 tons

Development.—The main shaft was sunk from 2,022 to 2,208 feet and a station cut at 2,125. Sinking is being continued to 2,500 feet with stations at 2,250, 2,375, and ore, waste pockets and loading boxes at 2,500.

No. 5 shaft was continued from 1,914 to 2,435 feet, and stations cut at 2,000, 2,125, 2,250, and 2,375. Connections have been made with the main shaft on the 1,625, 1,750 and 1,875-foot levels.

Estimated Ore Reserves

	Tons	As ay	Value
McIntyre Claims	445,043	$9 62	$4,283,396 00
McIntyre Extension Claims	182,313	11 31	2,059,528 00
Jupiter Claims	75,267	7 65	574,354 00
Broken Ore Stopes	155,881	10 24	1,597,522 00
	858,504	$9 92	$8,514,800 00

In the above estimate of ore reserves, values have been reduced to allow for barren schist inclusions in the veins and the dilution of broken ore reserves by wall rock.

Milling.—The new mill addition was ready to operate on November 1st, 1922, but due to a shortage of hydro-electric power only 50 per cent. of it was put into commission. There were further reductions in power, with consequent reductions in tons milled, until in April, 1923, only 2,500 tons per day were being treated. Full power was available again on May 3rd and in that month 28,085 tons, and in June 27,925 tons were handled. The milling costs for the period are $1.11 against $1.03 for the preceding year. The increase of 8 cents per ton is due to the mill not operating to full capacity, the shortage of hydro-electric power, and the generation of power by steam to operate part of the plant.

OPERATING COSTS

Mining—Exploration	$19,288 19	.08
Development	243,183 90	1 01
Breaking and stoping	525,706 13	2 18
Examination of prospects	11,696 84	05
	$799,875 06	3 32
Crushing and transportation of ore	48,046 61	20
Milling	265,911 11	1 11
Heating and maintenance, buildings and camps	34,824 23	14
Mercantile store and welfare expense	18,987 29	08
Management and general expense, Mine Office	59,056 24	24
Administrative and general expense, Head Office	80,743 82	33
Transfer and Registrar expense	8,849 71	04
Insurance—General	18,223 29	08
	$1,334,517 36	5 54

An interim report covering the period from July 1st to December 31st, 1923, gives the following information:

	1st Quarter Sept. 30, 1923	2nd Quarter Dec. 31, 1923	Six months to Dec. 31, 1923
Gross recovery	$681,039 13	$864,895 35	$1,545,933 48
Costs, including development	407,550 45	446,628 06	854,178 51
Operating earnings	$273,487 68	$418,267 29	$691,754 97
Non-operating revenues	19,799 65	22,392 83	42,192 48
	$293,287 33	$440,660 12	$733,947 45
Less—Accrual for taxes for period	25,739 00	35,460 09	41,199 09
Net earnings before plant depreciation	$277,548 33	$415,200 03	$692,748 36

Vipond-Consolidated Mines, Limited

This company is the successor of the Vipond-North Thompson Company and is the merger of these two properties. The former company made a small production but had to close down for lack of pay ore. Development during the past year has been eminently satisfactory. No. 10 vein has been opened up during the last few months on the 300-foot, 400-foot, 500-foot and 600-foot levels, giving high values over good widths. In this vein and subsidiary branches, Dr. Mackintosh Bell, the managing director, reports over two years' supply of ore in sight, averaging over $10 per ton, without reckoning a large amount of lower grade material.

In December the 150-ton mill was put into commission again and is running satisfactorily. According to an official statement, the operation of the mill during December may be considered mainly as preliminary tuning, the tonnage treated—which was purposely mainly of low-grade—rising to approximately 135 tons a day at the end of the month. A total production of $24,846 was made, derived partly from material passed through the mill and partly from the treatment of a special parcel of high-grade ore. The mill is now operating at a capacity of about 150 tons per day, on material of normal grade.

Newray

The Newray is being systematically explored by the Coniagas Company of Cobalt. During the eight months of operations, a power transmission line was built, heavy compressors installed, steel frame erected, 415 feet of sinking done and about 1,000 feet of drifting. Preliminary work was carried on, using steam-power, but a change over to electricity was made when the Great Northern Power Company could make delivery. Shaft-sinking will soon be resumed and continued to the 1,000-foot level.

Night Hawk Peninsular Mines, Limited

The holdings of the Night Hawk Peninsular comprise 880 acres adjoining Night Hawk Lake, about eleven miles south from Connaught, a station on the Porcupine branch of the T. & N. O. Railway, and sixteen miles east from the Hollinger mine,

In two years and two months this property has been brought from a raw prospect to a well-equipped mine with an up-to-date mill, drawing its ore from substantial ore reserves.

The main shaft has been sunk to 425 feet, while a winze is being continued to the 525-foot level.

The property has been further developed with about 4,500 feet of drifts and crosscuts and nearly 8,000 feet of diamond drilling. The general average gold content of the ore blocked out is between $9.00 and $10.00 per ton.

Power supplied by the Great Northern Power Company is brought in from South Porcupine, a distance of about fourteen miles, over a transmission line erected by the mining company itself.

The mill started operations in January, 1924, and is gradually being brought up to its 200-ton daily capacity.

Kirkland Lake District

PRODUCTION OF GOLD FROM KIRKLAND LAKE, GAUTHIER AND MUNRO TOWNSHIPS, 1923

Source	Ore Milled, tons	Bullion shipped				Total Value of Bullion including Exchange $
		Gold Content		Silver Content		
		Fine ounces	Value $	Fine ounces	Value $	
Kirkland Lake						
Kirkland Lake	45,449	10,746	222,153	1,471	949	223,989
Kirkland Lake Proprietary	1,803	580	11,984	294	190	12,174
Lake Shore	23,203	26,430	546,360	1,918	1,231	557,186
Teck-Hughes	38,314	53,955	1,115,342	4,075	2,621	1,137,523
Wright-Hargreaves	79,242	36,370	751,782	4,968	3,197	762,761
	188,011	128,081	2,647,630	12,726	8,188	2,693,633
Argonaut (Gauthier Twp.)	.....	3,499	72,309	292	203	72,512
Croesus (Munro Twp.)	518	1,292	26,655	105	66	27,375

Kirkland Lake Gold

Production was $223,989, or about the same as for two previous years. Development has been pushed to a depth of 1,100 feet but the mill-heads only averaged $5.25 per ton throughout the year. The mill treated 150 tons per day during the first six months of the year but this dropped to 100 tons daily during the second half. Only the very low working costs enabled the company to break even and keep running.

Lake Shore

Underground development has been continued with excellent results. The shaft is now down below the 900-foot level and will be continued to 1,000 feet.

The mill extension was retarded through slow deliveries, but it is expected the enlarged mill will be ready for operation in March, 1924. The capacity will thus be increased from 70 tons to 300 tons per day.

Teck-Hughes

During the fiscal year, which ended August 31st, 1922, the total revenue of the Teck-Hughes Mine was $501,407.63 with ore reserves estimated at $1,183,176, made up of 79,974 tons of ore, of which 19,213 tons were broken. The total revenue for the fiscal year ending August 31st, 1923, was $998,378.81, nearly double that of the previous year. During the same period the ore reserves increased to 131,193, containing $2,533,686.00. The increase in value is more than double, as the reserve ore is valued at $19.31 per ton as against $14.79 per ton for the previous year. This increase has been made while carrying on a very heavy programme of development and also despite a full month's close-down of power due to the disastrous bush fires of 4th October, 1922. In two years the Company's standing has changed from a debit balance of $478,073.94 to a surplus of $303,457.63.

The property has been rounded out and further strengthened by the purchase in March, 1923, of the adjoining Orr property. Some of the Teck-Hughes ore bodies dipped into the Orr at depth, so that this purchase was logical and the ore can now be taken out to much better advantage than if worked separately.

The deepest level is now at a depth of 1,105 feet, recent developments being mostly on the lower levels.

The present mill capacity is about 160 tons per day, but the increase in the extent and value of the ore calls for a new central shaft and a larger mill. A new mill is spoken of, but no decision on this point has yet been announced.

Wright-Hargreaves

Extensive development work has been carried on underground during the past year. The shaft has been sunk to 1,000 feet and levels opened at intervals of 100 feet to the 400-foot level and with intervals of 150 feet from the 400 to the 1,000-foot level. On the 1,000-foot level only the station has as yet been cut.

Five machines are on development work and the same number on stoping. Some of the stopes have widened out to 40 feet.

Production during 1922 amounted to $762,752, with a profit of $361,423. For 1923 the production was $762,761, but profits will likely be less on account of the increased development. Average grade milled was about $10 per ton, with a milling capacity of slightly over 200 tons per day.

Toward the end of the year the mill capacity was brought up to 230 tons per day, partly through the installation of rolls and partly through generally improved conditions. Foundations have already been laid for an extension to the mill which will be completed in the spring. This will raise the daily capacity of the mill to 400 tons.

Among the more important of the non-producers are the *Tough-Oakes-Burnside, Sylvanite, Kirkland Townsite,* and *Lebel Oro.* The Tough-Oakes-Burnside has opened up some very promising ore shoots during the past year and will likely be a producer in 1924. The Sylvanite, lying between the Wright-Hargreaves and the Tough-Oakes-Burnside, is sinking a shaft to 1,000 feet and is now below 900 feet. Development is proceeding on the 700-foot level and levels are to be opened at 850 feet and 1,000 feet. After extensive diamond-drilling on the Kirkland Townsite, a contract has been let for a 400-foot shaft. While sinking a 200-foot shaft on the Lebel Oro some good ore was encountered at 160 feet and development to prove this is now proceeding on the 200-foot level.

Argonaut Gold Limited

The Argonaut mine is located in the northeast portion of Gauthier Township, about 14 miles east of Kirkland Lake. Development of this property started five years ago and, with a small 10-stamp mill, $33,000 of gold was produced. The mill was burned in 1921, but was replaced in 1923 by a modern mill of 200 tons capacity. The new mill started operations on the 6th July and with the exception of a temporary close-down, due to crusher trouble, production has been steadily increasing. As some of the ore in the upper levels contained considerable copper, a complicated mill-flow sheet was tried out, but as the proportion of this ore rapidly decreased as depth was attained, the method now adopted is fine grinding with straight cyanidation. Starting with 50 tons per day, the amount treated has steadily been increased and it is hoped to be

able to work up to the 200 maximum early in 1924. While tuning up the mill an old surface dump of about 3,000 tons was run through and as much of this was low grade the results were low, ranging from $8 to $11. Now, however, with ore properly controlled from underground development faces, the grade is expected to be materially higher and, with the increased tonnage treated, costs are decreasing. When milling started, operating costs were $9.22 per ton, but when the mill reaches capacity it is expected that $5 per ton costs will be attained.

The mine has been opened to a depth of 500 feet.

The new Kirkland Larder Lake branch of the Nipissing Central Railway from Swastika will pass within 4 miles of the Argonaut Mine. Under the present contract the terminus for this line will be on the Crown Reserve Mining Company's property at Pancake Creek, 23½ miles from Swastika.

Larder Lake District

This district has for many years been almost abandoned since the collapse of the great rush in 1908. With the success attending the work in Porcupine and Kirkland Lake and in the light of new information gained in the meantime, prospecting and staking were renewed and eventually success crowned these efforts in the Pancake Creek region, McVittie Township, Larder Lake Mining Division. Here on the same vein series are located the Canadian Associated Goldfields, Limited, and the Crown Reserve Mining Company.

Canadian Associated Goldfields

This is the only company that has carried on continuous operation in this district since the early stakings. Lately work has been temporarily discontinued on its other properties and work concentrated on its holdings in the vicinity of Pancake Creek. The main shaft has been sunk to 750 feet and the intention is soon to continue this to 1,000 feet. Levels have been started at 110 feet, 250 feet, 375 feet, 500 feet, 750 feet, and other will be opened up at 875 feet and 1,000 feet. Crosscuts to the veins have already been opened up on the first four levels.

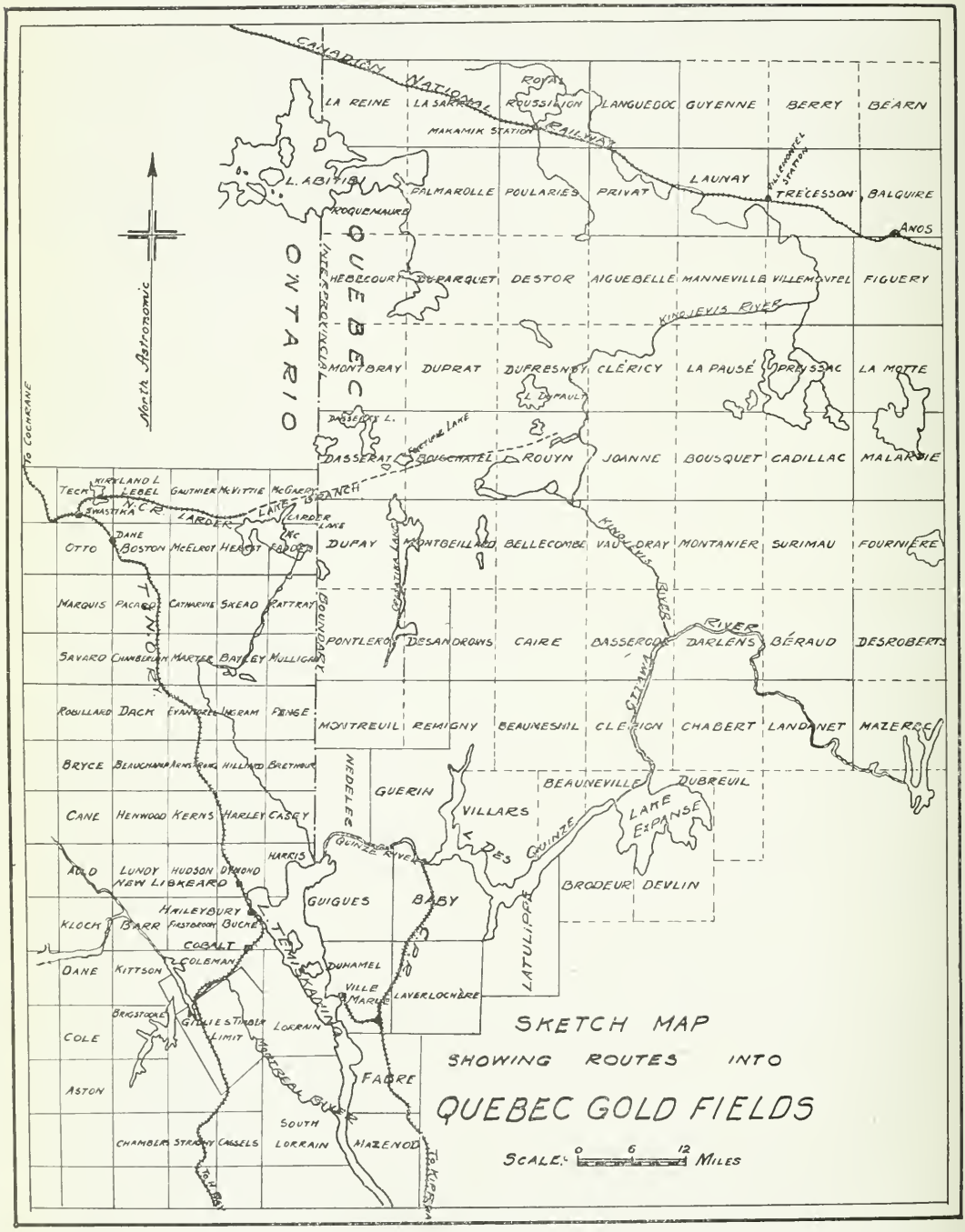
The management has announced that a 600-ton mill is to be built during 1924. The Company obtains its power from its own development at Raven Falls.

Crown Reserve

This is another of the Cobalt companies that is seeking to perpetuate itself and utilize its organization in a new mining venture. In this case it would appear as if the venture would prove eminently successful.

The main shaft has been sunk to 570 feet and levels opened at 175 feet, 300 feet, 425 feet and 550 feet. Three veins are being opened up on the same vein system as occurs on the adjoining Associated Goldfields. Development has been slow as power was supplied from a 2-drill steam-driven compressor. This has recently been replaced by a 5-drill compressor driven by a Diesel engine, so that from now on development should be much more rapid.

The veins have been cut in crosscuts on four levels and ore shoots have been opened up with stoping widths varying from 10 to 28 feet and several hundred feet in length. The next few months are likely to give much more definite information on the size of the ore bodies, but a considerable tonnage is expected of a grade between $9 and $10 per ton.


CANADIAN NATIONAL RAILWAY
MAKAMIK STATION
LA REINE
LA SARRE
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LANGUEDOC
GUYENNE
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POULARIES
PRIVAT
LAUNAY
TRECESSON
BALGUIRE
ANOS
ONTARIO
QUEBEC
HEBECOURT
DURARQUET
DESTOR
AIGUEBELLE
MANNEVILLE
VILLEMONTEL
FIGUERY
KINOJEVIS RIVER
MONTBRAY
DUPRAT
DUFRESNOY
CLÉRICY
LA PAUSÉ
OPRESSAC
LA MOTTE
DASSERAT
ROUYN
JOANNE
BOUSQUET
CADILLAC
MALARDIE
DUPAY
MONTGEILLARD
BELLECOMBE
VAUQUELIN
MONTANIER
SURIMAU
FOURNIÈRE
PONTLEROY
DESANDROUINS
CAIRE
DASSERCOURT
DARLENS
BÉRAUD
DESROBERTS
MONTREUIL
REMIGNY
BEAUNESHIL
CLERICY
CHABERT
LANDANET
MAZERRE
GUERIN
VILLARS
BEAUNEVILLE
DUBREUIL
LAKE ESPANSE
BRODEUR
DEVLIN
GUIGUES
BABY
LATULIPPE
DUHAMEL
VILLE MARIE
LAVERLOCHÈRE
FABRE
SOUTH LORRAIN
MAZENOD
SKETCH MAP
SHOWING ROUTES INTO
QUEBEC GOLD FIELDS
SCALE: 0 6 12 MILES
North Astronomic
TO COCHRANE
TO KIRKLAND LAKE
TO ROUYN

Northwestern Quebec

The new gold area of Northwestern Quebec, which has created considerable interest, extends east from the Larder Lake area in Ontario. Most of the staking has been done in the townships of Dasserat, Boischatel and Rouyn, but late in the year gold finds were reported in Malartic and Fourniere.

The properties that have received most attention are the Thompson-Chadbourne, Powell and Horne, west of Osisco Lake in Rouyn, and the Lake Fortune and Arntfield in Dasserat near Lake Fortune. The Thompson-Chadbourne property is part of the extensive holdings of the Noranda Mines, Limited. A shaft was sunk 50 feet during the late summer by contract, but the Company is now installing a small plant and will continue sinking. This plant includes an 80 horsepower boiler, a 3-drill compressor and an 8-inch by 10-inch hoist. This Company has erected substantial camp buildings and has done a lot of valuable pioneering work for the district by opening up and building roads.

The Powell properties lying to the north of the Thompson-Chadbourne are under option to the Nipissing Mining Company of Cobalt. A small plant is being taken in for development purposes. Both of these properties show large masses of quartz, the value and extent of which is to be tested.

The Horne property, another of the holdings of the Noranda Company, is being explored by diamond drilling. Two drills have already put down eight holes and a third drill is being sent in to expedite results. The deposit is heavy in sulphides and high in copper. The management expects to have a fair idea of extent and values by the spring.

At Lake Fortune shaft sinking is being pushed at the Lake Fortune Mine, while the Arntfield is doing surface work at present.

Boston Creek District

Barry-Hollinger Gold Mines, Limited

Interest in the Boston Creek district was revived last February when the Barry-Hollinger Gold Mines, Limited, opened up its property formerly known as the Patricia. The little mill and other buildings that had been erected by the former company had all been wiped out by fire, so that new buildings had to be erected throughout.

The property consists of approximately 400 acres, lying a few miles south of Kirkland Lake, one mile east from Boston Creek railway station. By the end of the year the necessary buildings had been erected, a new 2-compartment shaft had been sunk 350 feet, with levels started at 200 feet and 350 feet. During the shaft sinking commercial ore was encountered in a vein approximately 14 feet wide.

When the veins have been crosscut at the 350-foot level it is planned to sink the shaft to 500 feet.

Painkiller Lake District

Two companies have been developing their properties near Painkiller Lake, about 10 miles northeast from the town of Matheson. They are the Blue Quartz Gold Mines, Limited, and the Hattie. The Blue Quartz has installed an oil-burning Polar Diesel engine of 150 horsepower capacity to supply the necessary power for development. A shaft has been sunk to 200 feet and winze to 500 feet and levels are being rapidly opened up; 2,000 feet of underground

development has been done. Several veins have been found containing some rich ore shoots. Small shipments sent out for test purposes have proved very high grade. The erection of a mill will be considered during 1924.

SILVER

Cobalt District

Geology

Mine operators in the Cobalt district have constantly had the advantage of excellent geological information supplied by the Ontario Department of Mines. This dates back to the very discovery of the camp, when in the autumn of 1903 Dr. W. G. Miller drew LaRose's attention to the native silver in the ore that he was staking as a nickel ore.

As the ore became more worked out and silver more difficult to win, geology played a still more prominent part in the finding and following of ore deposits. The most successful operators to-day are those who have paid the closest attention to the geological features of their problems.

In brief outline the geology of the Cobalt area as most generally accepted is as follows:

The oldest rocks of the area are of Keewatin age, a most ancient igneous complex on which lie unconformably the Cobalt series of sediments consisting of conglomerates, slates, greywackés and quartzites. Through the above rocks is intruded a sill of Nipissing diabase of Keeweenawan age. The silver veins are now generally conceded to be genetically connected with this diabase. The ore is found both in the diabase itself and in the adjacent rocks, but seldom at a greater distance than 250 feet from either contact. An arbitrary division of the mines of the district may thus be made according to whether the ore found is located near the upper or lower contact of the diabase.

	I Mines on the Upper Diabase Contact	II Mines on the Lower Diabase Contact
Cobalt Proper		Bailey
		Buffalo
		Chambers-Ferland
		City of Cobalt
		Cobalt Lake
		Cobalt Townsite
		Coniagas
		Crown Reserve
		Drummond
		Foster
		Genesee
		Green Meehan
		Hargreaves
		Hudson Bay
		Kerr Lake
		LaRose
		Lawson
		McKinley-Darragh
		Nipissing

	I Mines on the Upper Diabase Contact	II Mines on the Lower Diabase Contact
		O'Brien
		Penn Canadian
		Provincial
		Princess
		Right of Way
		Seneca Superior
		Silver Queen.
		Trethewey
		University
		Violet
		Waldman
		Wyandoh
	Beaver	Beaver
	Colonial	Colonial
	King Edward	
	Nova Scotia	
	Silver Cliff	
	Temiskaming	
Casey		Casey
Gowganda	Bonsall	Bonsall
	Castle	
	Miller-Lake-O'Brien	
South Lorrain	Bellellen	
	Frontier	
	Keeley	
	Trout Lake	
	Wettlaufer	

The mines of Class I on the upper diabase contact also have the second chance of ore deposits occurring on the lower contact. This has been proven in the case of the Beaver, Bonsall and Colonial, which appear in both lists.

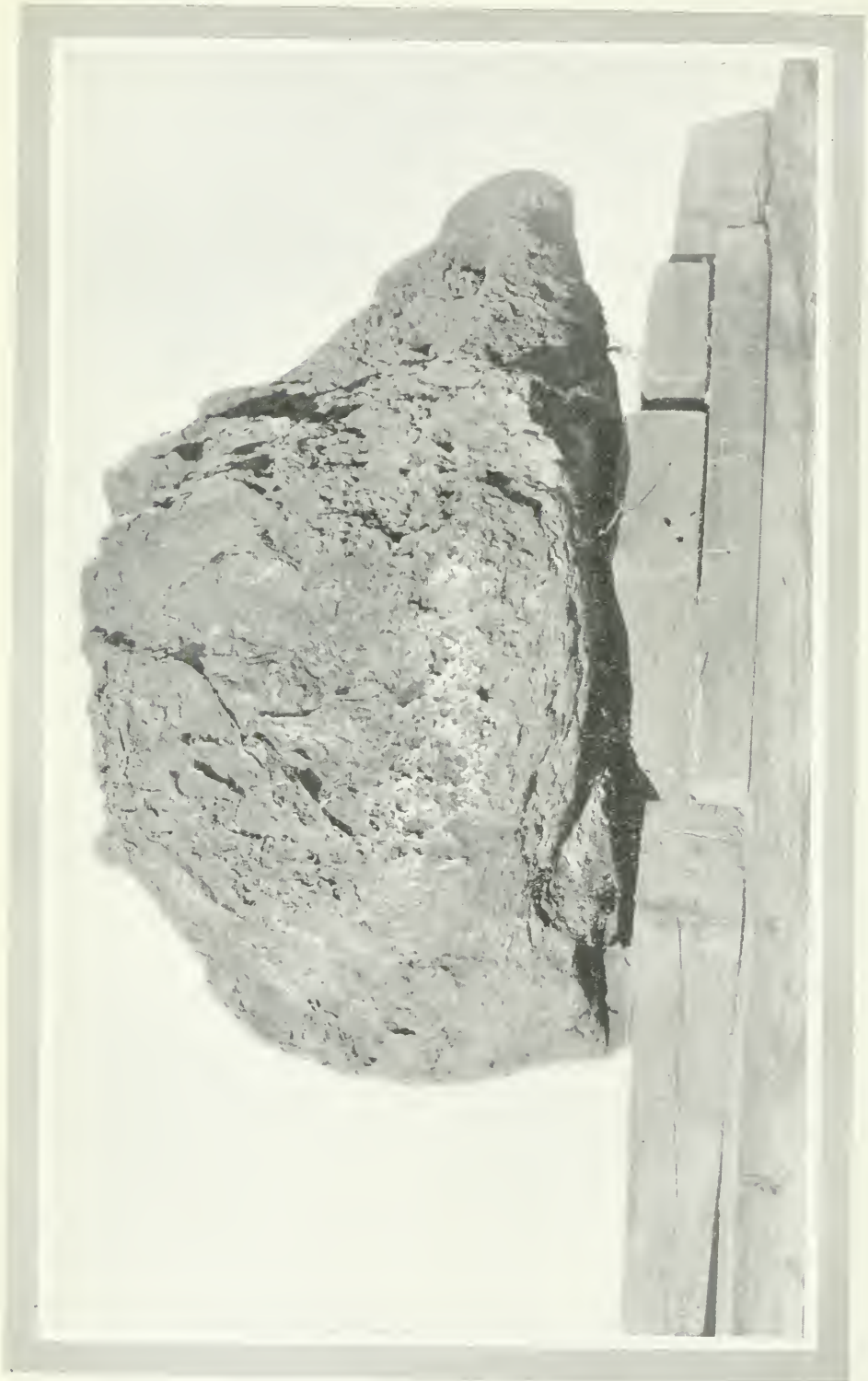
Most of the Beaver production came from the upper contact, but a shaft was sunk through the diabase sill and a small quantity of ore found on the lower contact. This lower contact is being further prospected at the present time.

The Bonsall property of the Miller-Lake-O'Brien has produced silver, both on the upper and lower contacts. The quantity on the lower contact was comparatively small, but showed nevertheless that silver does occur there in the Gowganda camp.

The Colonial found some milling ore on the upper contact but never enough to warrant the continuance of operations. Recently ore has been found on the lower contact and now the property is making regular shipments of good milling ore.

In Class II the diabase has in many cases been eroded entirely or in great part, thus leaving the underlying formations exposed ready for surface prospecting.

Although rich ore-bearing veins are found in the diabase itself as well as in the Cobalt sediments, and Keewatin rocks, nevertheless the different rocks seem to have a decided bearing on the ore deposition. Whether this is dependent on the permeability of the rock or on its chemical composition, or on the frac-



Float Nugget of Silver, weighing 1,650 pounds, valued at over $8,000, discovered by a prospector doing assessment work on a claim in Gillies Limit, Cobalt, Ontario, September, 1923.

turing, the fact remains that over 80 per cent. of the silver produced has come from Cobalt conglomerates or slates. Many rich deposits have been found in Keewatin rocks, but when any conglomerate is present it draws away and retains the rich silver solutions by some selective action, leaving the adjoining Keewatin greenstones comparatively barren.

It is rather remarkable that most of the mines of Cobalt proper belong to Class II while all the mines of the outlying districts, with a single exception, belong to Class I. At Cobalt the sill trapped some of the sediments below it, while in the other districts where ore is being produced it broke through the Keewatin formation at a lower horizon. The difference will likely become less marked as developments become more extended.

Cobalt District

The production of silver for the year 1923 from the Cobalt district shows an increase of over 1,000,000 ounces over the previous year if the South Lorrain and Gowganda camps are included, but a decrease if they are omitted.

Year	Average price, cents per ounce (New York)	Silver Shipments in Troy Ounces, 1904-1922				
		Total Ounces	Cobalt	Casey Township	South Lorrain	Gowganda
1904	57.2	206,875	206,875	.....	.....	.....
1905	60.4	2,451,356	2,451,356	.....	.....	.....
1906	66.8	5,401,766	5,401,766	.....	.....	.....
1907	67.5	10,023,311	10,023,311	.....	.....	.....
1908	52.9	19,437,785	19,437,375	500	13,124	.....
1909	51.5	25,897,825	25,640,681	26,185	194,955	18,002
1910	53.5	30,645,181	30,061,279	92,544	221,233	481,523
1911	53.3	31,507,791	29,989,903	114,789	933,912	469,197
1912	60.8	30,243,859	28,605,940	253,824	834,119	549,976
1913	57.8	29,681,975	28,105,505	825,108	248,992	502,370
1914	54.8	25,162,841	24,155,699	499,643	108,199	399,300
1915	49.69	24,746,534	24,280,366	223,939	242,229	242,229
1916	65.661	19,915,090	19,008,517	445,900	77,280	383,393
1917	81.417	19,401,893	18,184,757	143,901	10,000	1,064,635
1918	96.772	17,661,694	16,807,407	143,901	72,188	638,198
1919	111.122	11,214,317	10,315,889	171,278	4,586	723,764
1920	100.900	10,846,321	10,402,250	.....	8,253	433,506
1921	62.645	8,279,320	7,692,964	.....	328,936	257,420
1922	67.528	9,007,653	7,593,272	1,028	1,278,693	118,000
1923*	64.873	10,470,000	7,320,000	.....	2,950,000	200,000
		342,203,479	325,685,112	2,947,540	7,526,699	6,481,513

*Estimated.

During 1923 the shipments from Cobalt over the T. & N. O. Railway amounted to 5,764.46 tons, the destinations being as follows:

	Tons
To Canada	4,127.29
" United States	1,635.31
" Germany	1.86
	5,764.46

A large part of these shipments consist of residues from the treatment of high grade ores in the Nipissing and Cobalt Reduction Mills, the values lying mainly in the cobalt content. The silver product of the Nipissing and Mining Corporation was shipped out as refined bullion.

ORE SHIPMENTS FROM COBALT SILVER DISTRICT FOR CALENDAR YEAR 1922

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Bailey	32.00	9.89											41.89
Coniagas	43.89	32.74	44.03	37.66		43.63	47.49	36.50	43.96	43.95		77.00	450.85
Dominion Reduction								42.00	82.88		73.50		198.38
La Rose	34.08	16.40		70.49		33.08	32.66		39.96		38.20		264.87
Mining Corporation						89.34	633.28	755.23	1,057 35	1,176.29	468.32		4,179.81
McKinley-Darragh								41.65			42.19	43.88	127.72
Nipissing							330.14	1,389.50	1,257.34	889.44			3,866.42
O'Brien		64.80	96.00	64.00	64.00	64.00	31.62	67.60	88.45		31.98	121.37	693.82
Silver Cliff		12.96											12.96
	109.97	136.79	140.03	172.15	64.00	230.05	1,075.19	2,332 48	2,569.94	2,109 68	654.19	242.25	9,836.72

ORE SHIPMENTS FROM COBALT SILVER DISTRICT FOR CALENDAR YEAR 1923

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coniagas	53.14		76.97	32.98	38.09	48.06	34.65	43.99	52.66	65.85	194.00	46.76	687.15
Keeley	85.05	41.13	72.07	70.82			34.17	43.23	84.18	83.38	83.95	41.83	639.81
La Rose		33.30											33.30
Mining Corporation			30.07		86.09	114.59	725.08	645.37	76.23	360.64	199.48	59.93	2,297.48
McKinley-Darragh	43.18	43.50	85.70		42.05		84.40	38.68	43.65	40.52	41.27		462.95
Nipissing											1.86		1.86
O'Brien	65.25	97.15	129.10	132.60	162.92	182.29	172.29	126.50	64.15	163.80	129.08	216.78	1,641.91
	246.62	215.08	393.91	236.40	329.15	344.94	1,050.59	897.77	320.87	714.19	649.64	365.30	5,764.46

Thirteen properties produced silver during the year, though in a number of cases the amounts were small. In some cases also the production was treated in the customs mills at Cobalt, so that the names do not appear in the tabulated list of shipments over the T. & N. O. Railway. The complete list is Beaver, Coniagas, Crown Reserve, Foster, Kerr Lake, LaRose, Menago, McKinley-Darragh, Mining Corporation, Nipissing, O'Brien, Peterson Lake, and Silver Queen.

In the list of shippers will be noted the Menago Mine. This property was worked formerly under the name of the Colonial. Its finding of ore near the lower contact after the sinking of a shaft through nearly 1,000 feet of barren diabase, is noted in greater detail later on. The finding of ore at the Genesee is also noted later, but it will not appear as a shipper till 1924.

The loss of the O'Brien mill by fire in September, 1922, stopped the shipment of bullion by this Company. The product of the Northern Customs Concentrator, which they purchased, is shipped as a concentrate to their smelter at Deloro, Ontario.

At Gowganda the Miller-Lake-O'Brien and the Castle-Trethewey were the only producers. The mill of the latter will be ready for operation early in 1924. Oil engines have been installed for the supplying of power for this mine.

The South Lorrain district has continued to attract a great deal of attention during the year on account of the sensational finds made in the Keeley and Mining Corporation holdings, and also the favourable development on the Trout Lake. The importance of this interest is all the more understandable when it is remembered that the possible productive area of this new district, judged from a geological standpoint, is greater than that of the original Cobalt camp proper.

Considerable interest has been shown on certain claims in the Gillies Limit lying between Cobalt and South Lorrain on which the geological features are considered favourable for finding silver. The Mining Corporation is sinking a prospecting shaft on one of a dozen claims held under option. One prospector uncovered a float nugget weighing 1,650 pounds valued at over $8,000, but the vein from which this erratic came has not been determined.

Concentrating Mill of the Castle-Trethewey Mines, Limited, Gowganda, Ontario, January, 1924.

MILLING IN COBALT DISTRICT, CALENDAR YEAR 1922

	Tonnage Milled	Recovery	
		Concentrates, tons	Silver, oz.
COBALT PROPER:			
1. Bailey:			
La Rose—LaRose	1,088		
Princess	2,602	381	315,821
Violet	5,290		
University	15,804		
2. Cobalt Reduction:*			
Mining Corporation	23,403		
G. E. & D. Co. (Buffalo)	68,216		1,593,575
Dominion Mines and Quarries†	104		
Can. Casey Cobalt	7		
3. Coniagas	123,227	742‡	1,058,791
4. McKinley-Darragh	25,848	288	263,073
5. Nipissing (Low Grade)	82,025		3,609,757
6. O'Brien:#			
O'Brien Mill (8 months)	40,820		661,321
Bailey Mill (2 months)	5,292		61,717
GOWGANDA:			
7. Miller-Lake-O'Brien	8,789		123,586
SOUTH LORRAIN:			
8. Keeley	23,619	818	479,892
	426,134		8,167,533

NOTES:—

*In addition the Cobalt Reduction Company retreated 54,362 tons of Cobalt Lake tailing containing 217,739 ounces of silver.

†Dominion Mines & Quarries produced ore from the Frontier property in South Lorrain.

‡Four hundred and seventy-six tons of this concentrate is from flotation, the balance of 266 tons is from tabling.

#The O'Brien mill was completely destroyed by fire on the 4th September, 1922. The Bailey mill was purchased October 5th and was operated on experimental tests during November and December.

MILLING IN COBALT DISTRICT, CALENDAR YEAR 1923

Mill	Tonnage Milled	Recovery	
		Concentrates, tons	Silver, oz.
COBALT PROPER:			
1. Beaver (Coniagas)	16,161.00	113.5	125,070.00
2. Cobalt Reduction:			
Mining Corporation	31,082.00		433,993.01
G. E. & D. Co. (Buffalo Mine)	34,698.00		463,299.67
Farah	265.00		
Galvin (Elk Lake)	7.32		
Genesee	.56		
Kerr Lake Dump	184.00		
La Rose	9,235.64		295,115.98
Lorrain Fines (S. Lorrain)	360.52		
Menago	1,445.49		
Nipissing Extension	292.00		
Peterson Lake	3,044.31		
3. Coniagas	143,516.00	718.31	996,550.73
4. McKinley-Darragh	45,591.00	435.00	367,957.00
5. Nipissing (Low Grade Mill)	82,243.00		3,682,603.00
6. O'Brien (Bailey Mill)	51,026.00		885,811.00
SOUTH LORRAIN:			
7. Keeley	27,915.00	821.76	728,549.00
	447,026.84		7,978,949.39

High-Grade Vein on right, Fault on left. Genesee Mine, Cobalt, Ontario, August, 1923.

Nipissing

The Nipissing still continues to be the largest silver shipper in the Cobalt district, the output for 1923 being estimated at 3,397,000 ounces, valued at $2,188,740. This is slightly below the 1922 production of $3,423,100. A heavy production of cobalt was made, probably amounting to 300,000 pounds, but this will not be shipped till 1924.

A new find was made late in the year at shaft No. 26, on the 100-foot level in Keewatin formation, a short distance below the lower contact of the diabase sill. This will average 1,000 ounces to the ton over an average width of 2 inches.

Genesee Mining Company, Limited

This company started operations on 9th January, 1916, and has continued operations, with a few shut-downs, to the present time. The property consists of 80 acres, being the south half of the south half, Lot 9, Concession 1, of the Township of Bucke. It is half a mile from the nearest producer. No veins were exposed on the surface, but work was prosecuted on the simple faith that the geological structure was favourable.

In August, 1922, a 1-inch vein was encountered on the 350-foot level. It produced 1¼ tons which averaged 1,200 ounces per ton. One year later, on the same level, a second vein was encountered, 2 to 5 inches wide and assaying from 1,000 to 5,000 ounces. The vein is in conglomerate about 70 feet from the Keewatin contact if measured at right angles to that contact, or 132 feet if measured along the drift. A 30-ton shipment was bagged ready for shipment at the end of the year. The vein runs east and west and is nearly vertical.

The shaft is down 572 feet and the lateral work consists of 1,000 feet on the 350-foot level, 700 feet on the 450-foot level, 3,000 feet on the 500-foot level. The conglomerate-Keewatin contact was cut in each of these three levels.

The importance of the discovery of ore on this property would appear to lie in the fact that it is some distance from other producing properties and may have some connection with the Cross Lake fault or line of fracturing running N.W.-S.E. as distinguished from the Cobalt Lake fault running N.E.-S.W. Renewed activity along the Cross Lake line of weakness will doubtless be a result of the discovery of ore on the Genesee.

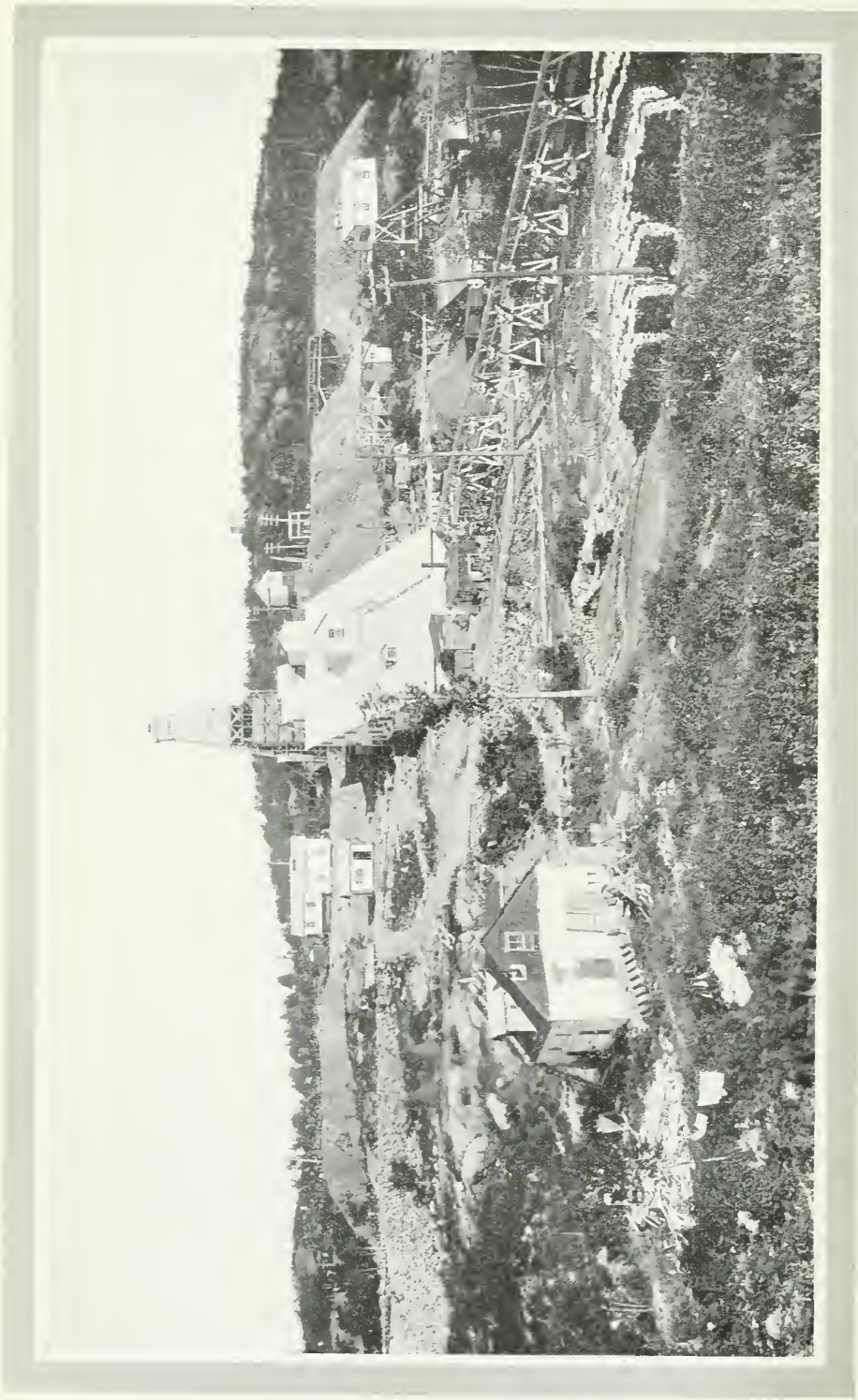
Menago Mining Company

The Menago Mining Company, of which all the capital stock is owned by the Continental Mines, Limited, holds leases on the Colonial and Silver Cliff Mines. The former covers 68 acres and the latter 34 acres.

The Colonial Mine produced a small amount of milling ore for a few years from the vicinity of the upper contact of the diabase, but the amount of silver (500,000 ounces) found did not warrant the continuation of operations and the mine was closed down.

In July, 1922, the property was acquired by the above Company and sinking to the lower contact commenced the following month. The shaft was sunk through diabase till the lower contact with Keewatin greenstone was reached at a depth of 970 feet. Then a station was cut and lateral development work commenced at a depth of 930 feet.

The first ore was encountered 100 feet from the shaft and the second at 250 feet. Production of high grade began the beginning of November and by the end of the year one shipment of 11 tons had been made and another was accumulating. In addition a daily shipment of from 50 to 60 tons of mill rock



Surface Plant of the Keeley Mine, South Lorrain, Ontario, August 13th, 1923.

is being sent to the Cobalt Reduction Company. Further development has consisted of opening up another level at 880 feet and an inclined winze sunk 335 feet, following the dip of the contact from the 930-foot level, giving a vertical depth of 105 feet or 1,035 feet below the shaft collar. At this depth a vein from 2 inches to 4 inches was cut.

Taking into account all charges, the sinking of the main 3-compartment shaft cost $100 per foot, so that before any ore was found or could even be expected an expenditure of $100,000 had to be made. The further development of this property will be watched with keen interest, particularly by companies with properties showing somewhat similar geological conditions.

Keeley Silver Mines, Limited

This property was optioned in 1913 for the Associated Gold Mines of Australia. For some years the results were not encouraging, but eventually the purchase was completed in 1919, the price paid being $110,000.

During 1921 bonanza ore was encountered and since that time some of the richest ore shoots found in the whole silver district have been discovered in this property.

Silver is being produced at the rate of about 135,000 ounces per month, the production for 1923 being about 1,600,000 ounces. Five veins, the Woods and Nos. 6, 16, 20 and 26, were the principal producers.

The property is being developed to a depth of 560 feet, which is the 8th or lowest level. On this level it is hoped to locate the downward extensions of the rich shoots found on the 7th level.

Dr. Mackintosh Bell, the managing director, says:

"On the Keeley there are several shoots of milling and high-grade ore over 200 feet in length, averaging over 200 ounces across three and four feet, and ore shoot (F.D.) attains at one horizon a length of 400 feet.

"At one point, in the Birthday Bonanza of 26 vein of the Keeley, massive ore, consisting of cobaltite, smaltite and native silver, reached a width of five feet of material running more than 7,000 ounces to the ton. This remarkable bonanza has not yet been stoped and it is thus impossible to say how much silver it will contain; but an idea of the extent and richness can be gathered from the fact that from the drift, at which it was developed on the 480-foot level, no less than 350,000 ounces were taken from the length of approximately 75 feet."

"The D. shoot of Wood's vein on the Keeley has been traced and partly mined from surface downward to a vertical depth of 450 feet, or an extension along the dip (which averages about 60 degrees easterly) of about 550 feet."

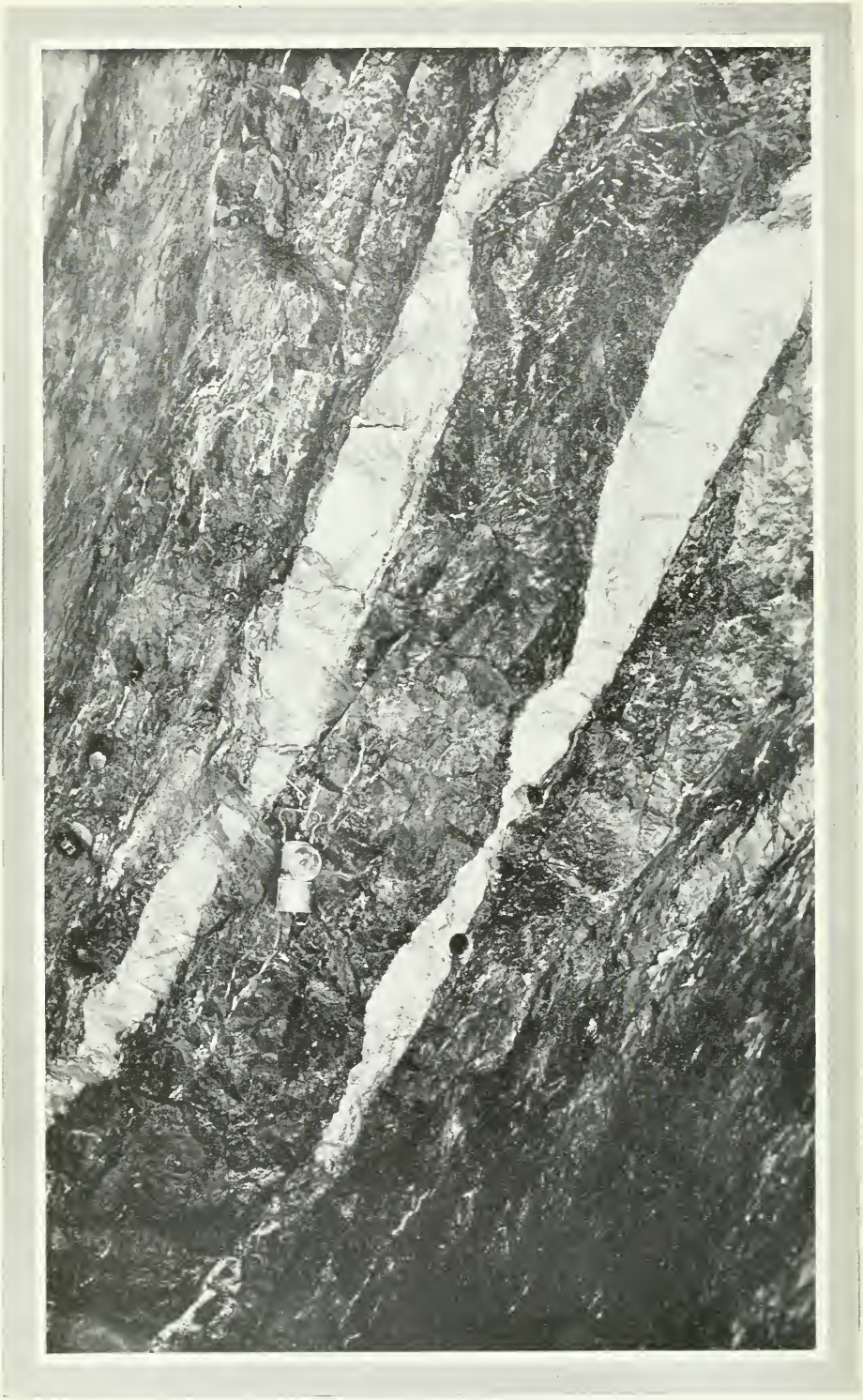
The mill is now operating at a capacity of 150 tons a day, and the plant, to which many additions were made during the past year, is now in thorough running order.

Lorrain Operating Company

During 1922 the Mining Corporation of Canada, through its subsidiary, the Lorrain Operating Company, secured a group of claims in South Lorrain aggregating 500 acres. Active exploration, which was confined to the Frontier and Crompton claims, lying adjacent to the Keeley on the north, has been prosecuted continuously and has yielded excellent results.

Production has been:

1922	548,652 ounces
1923	1,333,334 "



High-Grade Vein. Lorrain Operating Company (Frontier Property). In stope 80 feet above 300-foot level, and 250 feet above Keewatin-diabase contact. South Lorrain, Ontario, August 13th, 1923.

The 1923 production came mostly from 355 tons of high-grade ore, the small remainder being contained in 220 tons of high cobalt ore and 360 tons of fines.

Work has been confined up to the present time to three veins, the Woods, the Watson and the No. 1, though a number of others have been discovered and are known to carry high grade ore.

The Woods vein is the main vein in the camp. It is a fault vein, differing in this respect from most of the other veins found in the district. Its total length is not known, but it is already producing high-grade silver ore on the Frontier and Crompton on the north, also on the Keeley and on the Trout Lake on the south, a distance of at least 2,800 feet.

The new 3-compartment shaft has been completed to the 6th level (525 feet). The 5th and 6th levels are now being opened up. This 6th level corresponds with the Keeley's 6th level, which is just on the contact. Keeley's 7th and 8th levels are below the contact in diabase.

Production continues at a satisfactory rate, chiefly from the Woods and No. 1 veins on the 300-foot level, but no attempt is being made to create a large monthly production. All efforts are directed to exploring, developing and opening up the mine at the earliest date possible.

Lorrain Trout Lake Mines, Limited

In March last the Mining Corporation of Canada purchased three mining claims adjoining the Keeley to the south, forming the above Company to hold them. Two-thirds of the capital stock was disposed of, which provided ample working capital, one condition of the arrangement being that the Mining Corporation should retain the management of the new company.

A prospect shaft following the Woods vein was started and at the end of June silver was encountered at a depth of 35 feet. The shaft was continued to a depth of 275 feet, showing varying but continuous silver values, the rock formation being Keewatin throughout. The value of the ore taken out of the shaft is more than sufficient to pay for all cost of development to date.

Water was struck in the shaft at 275 feet and, while pumping apparatus was being installed, drifts were run north and south.

The official report states:

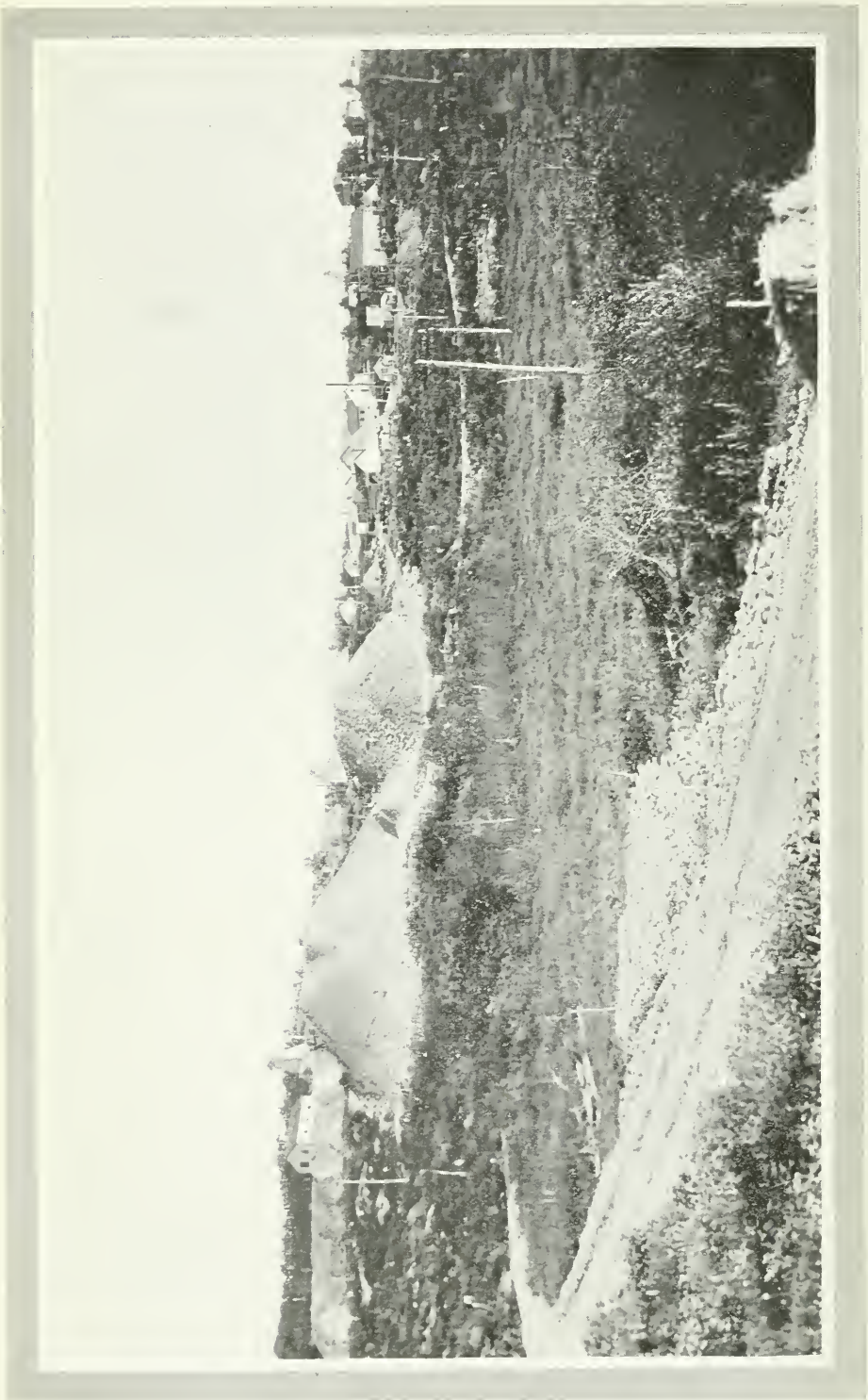
"The Woods vein, as exposed in the shaft, continues to maintain its remarkable strength, its width varying from 3 to 6 feet between walls. It is much brecciated and altered and oxidation is still in evidence at the shaft bottom. The footwall section of the vein, with a width of 10 inches to 24 inches, is largely crushed and decomposed smaltite carrying varying values in silver, in some places very high-grade.

"The north and south drifts on the 240-foot level show the same average width and assay values as the shaft. In view of the altered and oxidized condition of the vein, there is great promise for the future development of high-grade ore at greater depth. The area so far opened up will permit profitable extraction of mill grade ore for the full vertical distance from the surface.

At the end of the year the shaft had reached a depth of 330 feet, the rock formation still being Keewatin.

Canadian Lorrain Silver Mines, Limited

The Huronian Belt Company secured a working option on a controlling interest of the Canadian Lorrain Silver Mines, Limited. The property owned by this Company, known as the "Maidens," comprises five claims lying 2½



Surface Plant of the Lorrain Operating Company (Mining Corporation of Canada), South Lorrain, Ontario, looking south.
The Keeley Head-Frame shows in the right distance. August 13th, 1923.

miles northeast from the Keeley. A certain amount of development work had been done by the former owners proving the presence of several veins, in places carrying high-grade silver ore.

An official statement says:

"It seems unreasonable to suppose that the four principal veins so far discovered and the various minor veins represent all the property contains. It is altogether probable that others will be discovered during the progress of subsurface operations. . . . The chances for the discovery of shoots of silver-bearing cobalt ore of commercial size, when development has been carried out at favourable horizons at or near the diabase-Keewatin contact, would seem to be excellent."

Sinking of the main shaft was resumed in September and has now reached a depth of 259 feet. A station was cut at 250 feet and crosscuts run north and south. In the latter a vein about 4 inches wide has been cut in a zone of highly sheared greenstone about 3 feet wide. The vein gives low assays in silver, from 8 to 25 ounces, and looks promising.

Bellellen

The new Rhodesian Mines and Investment Company of London, England, has recently acquired a large interest in the Bellellen.

This property adjoins the Little Keeley (one of Mining Corporation's holdings) on the east. Prospecting showed up some strong veins, heavy in niccolite and smaltite and containing some high-grade silver in places.

Rubber Liner for Tube-Mill

An interesting development in tube-mill grinding is now being tried out at the Nipissing mill. James J. Denny, metallurgist for the Nipissing Mining Company, conceived the idea of trying a rubber lining in a tube-mill to replace the hard iron lining. The idea sprang from the consideration of the wearing capacity of an automobile tire on the hard rock roads of Cobalt.

The first test was made in 1921 in a small test mill 3 feet long and 18 inches in diameter. This mill was lined with 5/8-inch rubber and was run in parallel with a similar mill lined with smooth iron. This was followed by replacing a section of iron lining with rubber in a 4-foot by 20-foot mill. On January 1st, 1923, a 4-foot by 20-foot mill, containing 40,000 pounds of 1¼-inch iron balls and grinding a 4 mesh and finer product, was completely lined (excepting the ends) with rubber and this ran for ten months without renewal. In all of these tests the results obtained, both in increased output and in the life of the liner, were so satisfactory as to warrant the continuance of the investigation.

Based on the theory that the capacity of a tube-mill is in proportion to its diameter, the substitution of a rubber liner 1 inch thick for a metal liner 2 inches to 3 inches thick would naturally increase its output, but this in itself will not explain the observed increase in output.

On November 8th a 6-foot by 20-foot tube-mill was lined with various grades of rubber compound to determine their relative wearing qualities. The mill is grinding a 4-mesh product with a grinding medium of 16 tons of 3-inch to 4-inch flint pebbles. In investigating an idea of this type, it is impossible to hasten results as it is necessary to run a mill several months before being able to decide a single point such as the grade and thickness of material best suited for secondary grinding.

The next tests will be in a mill lined with rubber, but with feed of approximately 1 inch.

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Third Annual Report

OF THE

Mothers' Allowances Commission

FOR THE YEAR

1922-1923

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO
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TORONTO
CANADA

To His Honour Henry Cockshutt,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I have the pleasure to present herewith the Third Annual Report of the Mothers' Allowances Commission for the year 1922-1923.

Respectfully submitted,

Forbes Godfrey,
Minister of Public Health and Labour.

THIRD ANNUAL REPORT

OF THE

Mothers' Allowances Commission

For the Year 1922-1923

FOREWORD

In presenting its third annual report the Mothers' Allowances Commission gratefully acknowledges the co-operation received from many public bodies, notably the Workmen's Compensation Board, the Public Trustee, the Official Guardian, etc. Warm appreciation of the work done by the ninety-eight local Boards is also expressed. Fully five hundred citizens serve voluntarily on these Boards, and spend many hours in attendance at meetings, and in the visitation of the homes of the beneficiaries. The value of this service cannot be over-estimated. The total cost to the Province in the operation of these Boards, including travelling expenses, stationery, postage, etc., was for the year 1922-1923, $2,409.15, or an average cost per Board of $24.50.

An illustration of the help given in dealing with special cases of need has just come to hand through a newspaper clipping. This press extract tells of the operation performed on a thirteen-year-old girl who has been unable to walk since her third birthday. She suffered then from a severe attack of infantile paralysis. "Diagnosed at first as incurable, the little girl emerged from the anesthetic with the worst of her troubles over." "When she returns to her native city on the shores of Lake Superior she will be able to walk again and perhaps skate, dance, skip and race like other children." "She is the guest of the Port Arthur Gyro Club." Our investigator told the warm-hearted men of the Gyro Club the pathetic story of this little girl, with the result as outlined in the press story. Rotary, Kiwanis and Canadian Clubs have helped in other cases equally sad and with equally happy results. Our investigators speak gratefully also of the kindness of women's organizations such as the Women's Institutes, the I.O.D.E., Local Council of Women, etc.

The municipalities have all co-operated in paying promptly their fifty per cent. share of the cost of the allowances. A monthly statement is forwarded to each municipality, giving the names of beneficiaries within the municipality and the amount paid in each case. The total contributed by the municipalities in the fiscal year 1922-1923 was $681,634.77.

The chairman or vice-chairman has conferred during the fiscal year with the following local Boards: Belleville, Bruce county, Chatham, Dufferin county, Durham county, Essex county, Glengarry county, Grenville county, Hastings county, Haliburton county, Kent county, Lambton county, Lennox and Addington, Muskoka, Northumberland county, Niagara Falls, Owen Sound, Ottawa, Oxford county, Parry Sound, Perth county, Prince Edward county, Russell county, Sarnia, Stratford, Sudbury, St. Mary's, Temiskaming, Trenton, Victoria county, Windsor, Walkerville, Woodstock, and Wentworth county.

The number of beneficiaries has grown from 3,559 in October, 1922, to 3,870 in October, 1923. In the homes of the beneficiaries there are 11,791

children under sixteen years of age. An application has just been received from a mother with thirteen children under sixteen years.

The social values of the Act are seen in the remarkable improvement reported in the homes of the beneficiaries; in the new courage and hope inspired in the mother; in happier and healthier childhood.

"In many of the homes an entirely new atmosphere has been created; new furnishings have replaced shabby or scanty furnishings; rough floors that were difficult to clean have been covered; whole clothes have replaced ragged ones; cleanliness and neatness await the visitor instead of untidiness. All because the mothers have at their disposal time and strength formerly spent in the struggle to keep the family warmed and fed. They have time to buy economically; to sew where before they had to buy ready-to-wear articles; time to cook wholesome dishes instead of using canned goods. One mother said: "I can save almost as much as I used to earn because while I was at work the children wasted good food and burned more gas than I did."

The allowance, while not adequate, removes the hopelessness of the task to be assumed by the mother without money and with several young children. In various ways, without prejudice to the care of the children, the mothers augment the allowance paid by the government.

It has been reported that widows from Quebec were moving into Ontario in great numbers to share in the benefits of the Mothers' Allowances Act. A careful examination of our records has shown that there is absolutely no foundation for the report. It is necessary for all applicants to have two years' continuous residence in Ontario immediately prior to the date of application.

The vast majority of the beneficiaries prove worthy of the allowance, and give good care to the children. In some cases constant supervision is necessary. In a comparatively few cases each year the allowance is cancelled because the mother proves to be "not a fit and proper person."

The cost of administration has been reduced from 5.42% during the fiscal year 1921-1922 to 4.58% during 1922-1923. This includes the entire cost involved in the services rendered by the investigators and by the local Boards and all expenses in connection with the administration at the Head Office.

The Commission is indebted to the Honourable Forbes Godfrey, M.D., Minister of Public Health and Labour, for many courtesies in matters affecting the administration of the Mothers' Allowances Act.

Signed on behalf of the Commission,

PETER BRYCE, *Chairman.*

PAYMENTS TO BENEFICIARIES

1922	Number	Amount	Average
November	3,580	$127,184	$35.53
December	3,664	129,734	35.40
1923			
January	3,692	130,638	$35.38
February	3,736	132,141	35.37
March	3,770	134,305	35.62
April	3,772	134,377	35.62
May	3,804	135,688	35.67
June	3,837	136,775	35.64
July	3,850	137,145	35.62
August	3,899	138,556	35.53
September	3,892	138,542	35.59
October	3,870	137,616	35.56
		$1,612,701	

SUMMARY OF ALLOWANCES PAID FOR FISCAL YEAR—NOVEMBER 1st, 1922, TO OCTOBER 31st, 1923

No. of Beneficiaries	Location	Total amount disbursed	Adjustments (Residence clause)		Cancelled cheques	Net amount	Amount chargeable to municipalities	Balance outstanding 31st October, 1922	Total amount due by municipalities	Amount received from municipalities	Amount outstanding 31st October, 1923
			Debits	Credits	Credits						
	COUNTIES										
25	Brant	$9,142				$9,142	$4,571.00	$733.50	$5,304.50	$4,916.50	$388.00
49	Bruce	17,658		$75	$65	17,518	8,759.00	651.00	9,410.00	7,186.50	2,223.50
41	Carleton	15,092	$905	220		15,777	7,888.50	563.00	8,451.50	7,798.50	653.00
38	Northumberland	15,731			55	15,676	7,838.00	996.00	12,798.00	11,888.50	909.50
21	Durham	8,138		170	40	7,928	3,964.00				
15	Dufferin	3,722	75	175		3,622	1,811.00	480.00	2,291.00	1,209.50	1,081.50
41	Stormont	16,172		105	45	16,022	8,011.00	5,060.00	19,518.50	11,991.00	7,527.50
14	Dundas	5,410				5,410	2,705.00				
21	Glengarry	7,485				7,485	3,742.50				
48	Essex	181,46		430	60	17,656	8,828.00	719.00	9,547.00	8,835.50	711.50
36	Elgin	12,260				12,260	6,130.00	407.50	6,537.50	5,987.50	550.00
24	Frontenac	9,013			83	8,930	4,465.00	401.50	4,866.50	4,535.50	331.00
41	Grey	16,499		270	25	16,204	8,102.00	1,406.00	9,508.00	8,891.50	616.50
12	Leeds and	4,940				4,940	2,470.00	495.00	5,630.00	5,197.50	432.50
17	Grenville	5,365		35		5,330	2,665.00				
39	Hastings	16,049		200	82	15,767	7,883.50	3,382.00	11,265.50	7,270.50	3,995.00
13	Haldimand	4,714				4,714	2,357.00	180.00	2,537.00	2,115.00	422.00
12	Haliburton	3,487				3,487	1,743.50	210.00	1,953.50	1,450.50	503.00
29	Halton	11,460			30	11,430	5,715.00	472.50	6,187.50	5,285.00	902.50
37	Huron	13,203	500		75	13,628	6,814.00	529.50	7,343.50	7,036.50	307.00
40	Kent	13,787		120	20	13,647	6,823.50	504.50	7,328.00	6,746.00	582.00
20	Lennox & Add'gton	6,440			35	6,405	3,202.50	217.50	3,420.00	3,130.00	290.00
30	Lanark	11,190		20		11,170	5,585.00	500.00	6,085.00	5,637.50	447.50
22	Lincoln	8,010		530	45	7,435	3,717.50	327.50	4,045.00	3,750.00	295.00
23	Lambton	8,320		230	25	8,065	4,032.50	350.00	4,382.50	4,032.50	350.00
34	Middlesex	11,645		20		11,625	5,812.50	415.00	6,227.50	5,690.00	537.50
32	Norfolk	12,014			55	11,959	5,979.50	481.00	6,460.50	6,018.00	442.50
40	Ontario	16,470			80	16,390	8,195.00	652.50	8,847.50	4,922.50	3,925.00
28	Oxford	9,988	90			10,078	5,039.00	376.50	5,415.50	4,946.50	469.00
25	Peterborough	10,114	90		105	10,099	5,049.50	361.00	5,410.50	5,047.00	363.50
27	Peel	9,729			25	9,704	4,852.00	398.50	5,250.50	4,839.50	411.00
18	Prince Edward	6,575				6,575	3,287.50	210.00	3,497.50	2,897.50	600.00
40	Prescott	15,615			35	15,580	7,790.00	2,512.00	20,171.50	16,984.50	3,187.00
57	Russell	20,184		410	35	19,739	9,869.50				
16	Perth	6,180	20	615		5,585	2,792.50	242.50	3,035.00	2,782.50	252.50

SUMMARY OF ALLOWANCES PAID FOR FISCAL YEAR—NOVEMBER 1ST, 1922, TO OCTOBER 31ST, 1923.—*Continued*

No. of Beneficiaries	Location	Total amount disbursed	Adjustments (Residence clause)		Cancelled cheques	Net amount	Amount chargeable to municipalities	Balance outstanding 31st October, 1922	Total amount due by municipalities	Amount received from municipalities	Amount outstanding 31st October, 1923
			Debits	Credits	Credits						
	COUNTIES										
82	Renfrew	31,488	.....	.....	60	31,428	15,714.00	1,208.00	16,922.00	15,562.00	1,360.00
133	Simcoe	51,138	.....	.....	30	51,108	25,554.00	1,882.00	27,436.00	25,289.00	2,147.00
36	Victoria	13,830	.....	75	60	13,695	6,847.50	445.00	7,292.50	6,715.00	577.50
27	Wentworth	9,015	.....	220	.....	8,795	4,397.50	340.00	4,737.50	4,360.00	377.50
40	Welland	14,267	.....	440	35	13,792	6,896.00	520.00	7,416.00	6,151.50	1,264.50
34	Wellington	12,014	.....	.....	35	11,979	5,989.50	919.50	6,909.00	6,430.50	478.50
49	Waterloo	17,879	.....	150	.....	17,729	8,864.50	1,309.00	10,173.50	8,609.00	1,564.50
159	York	56,512	105	1,000	185	55,432	27,716.00	2,247.00	29,963.00	27,555.00	2,408.00
	CITIES										
58	Brantford	27,182	.....	155	175	26,852	13,426.00	963.00	14,389.00	13,361.00	1,028.00
23	Belleville	9,585	.....	40	.....	9,545	4,772.50	307.50	5,080.00	4,655.00	425.00
16	Chatham	6,950	120	.....	.....	7,070	3,535.00	197.50	3,732.50	3,430.00	302.50
35	Fort William	16,080	.....	.....	40	16,040	8,020.00	1,027.50	9,047.50	7,645.00	1,402.50
36	Guelph	16,804	75	.....	30	16,849	8,424.50	691.00	9,115.50	7,676.00	1,439.50
28	Galt	13,150	.....	.....	.....	13,150	6,575.00	517.50	7,092.50	6,552.50	540.00
163	Hamilton	71,122	.....	620	135	70,367	35,183.50	2,525.00	37,708.50	31,434.27	*6,274.23
34	Kingston	15,985	.....	.....	.....	15,985	7,992.50	650.00	8,642.50	7,975.00	667.50
36	Kitchener	16,007	.....	60	52	15,895	7,947.50	675.00	8,622.50	8,045.00	577.50
91	London	42,878	20	415	85	42,398	21,199.00	1,808.50	23,007.50	17,381.50	5,626.00
15	Niagara Falls	6,655	.....	.....	85	6,570	3,285.00	337.50	3,622.50	3,307.50	315.00
286	Ottawa	130,613	.....	860	330	129,423	64,711.50	10,643.00	75,354.50	63,354.50	12,000.00
22	Owen Sound	11,551	.....	.....	90	11,461	5,730.50	501.50	6,232.00	5,469.00	763.00
33	Port Arthur	14,859	.....	.....	.....	14,859	7,429.50	566.00	7,995.50	6,661.00	1,334.50
41	Peterborough	21,633	.....	155	45	21,433	10,716.50	894.50	11,611.00	10,825.00	786.00
17	Sarnia	8,382	230	100	40	8,472	4,236.00	292.00	4,528.00	4,217.00	311.00
40	Sault Ste. Marie	18,132	.....	370	87	17,675	8,837.50	690.50	9,528.00	8,055.50	1,472.50
25	St. Thomas	9,872	45	160	.....	9,757	4,878.50	293.50	5,172.00	4,231.00	941.00
23	St. Catharines	11,587	.....	220	40	11,327	5,663.50	513.00	6,176.50	5,661.00	515.50
24	Stratford	9,539	.....	.....	.....	9,539	4,769.50	313.50	5,083.00	4,652.00	431.00
12	Welland	6,240	360	30	60	6,510	3,255.00	524.50	3,779.50	3,319.50	460.00
15	Woodstock	7,180	.....	.....	.....	7,180	3,590.00	257.50	3,847.50	3,525.00	322.50
34	Windsor	13,932	.....	80	90	13,762	6,881.00	403.00	7,284.00	6,053.00	1,231.00
717	Toronto	333,758	.....	1,900	1,508	330,350	165,175.00	1,310.50	166,485.50	149,115.00	17,370.50

	TOWNS										
18	Brockville	7,878				7,878	3,939.00	316.50	4,255.50	3,897.00	358.50
8	Ingersoll	3,315		90		3,225	1,612.50	150.00	1,762.50	1,622.50	140.00
4	Prescott	1,405	35		30	1,410	705.00	67.50	772.50	717.50	55.00
7	St. Mary's	3,060				3,060	1,530.00	132.50	1,662.50	1,550.00	112.50
15	Smith's Falls	6,141			20	6,121	3,060.50	214.00	3,274.50	3,028.00	246.50
8	Trenton	3,115				3,115	1,557.50	102.50	1,660.00	409.50	1,250.50
10	Walkerville	4,220		175	45	4,000	2,000.00	120.00	2,120.00	1,837.50	282.50
6	Gananoque	1,915				1,915	957.50		957.50	872.50	85.00
	DISTRICTS										
32	Algoma	14,065			140	13,925	6,962.50	8,971.50	15,934.00		15,934.00
9	Kenora	4,205			40	4,165	2,082.50	1,837.50	3,920.00		3,920.00
35	Muskoka	11,680				11,680	5,840.00	7,170.00	13,010.00		13,010.00
17	Manitoulin	5,445				5,445	2,722.50	2,575.00	5,297.50		5,297.50
66	Nipissing	28,764			95	28,669	14,334.50	15,829.50	30,164.00		30,164.00
54	Parry Sound	19,702			45	19,657	9,828.50	13,323.50	23,152.00		23,152.00
6	Rainy River	2,620			65	2,555	1,277.50	1,335.50	2,613.00		2,613.00
54	Sudbury	24,779			210	24,569	12,284.50	15,202.50	27,487.00		27,487.00
14	Thunder Bay	5,860				5,860	2,930.00	3,865.00	6,795.00		6,795.00
90	Temiskaming	35,956			200	35,756	17,878.00	19,587.50	37,465.50		37,465.50
8	Indian Reserves	2,810			45	2,765	1,382.50	115.00	1,497.50	1,407.50	90.00
	Province(residence)		8,505	235		8,270	4,135.00	5,073.00	9,208.00		9,208.00
	Province (cancelled cheques)		5,347		95	5,252	2,626.00	3,046.50	5,672.50		5,672.50
3,870		$1,612,701	$16,522	$11,175	$5,347	$1,612,701	$806,350.50	$159,043.50	$965,394.00	$681,634.77	$283,759.23

*Hamilton. Less $223.23, 50% of $446.46 refunded by Pensions Board (Ottawa).

ALLOWANCES

Of the $1,650,000 appropriated by the Government for the payment of allowances under the provisions of the Mothers' Allowances Act, $1,612,701 has been distributed throughout the Province:

Counties	$586,090
Cities	839,676
Separated Towns	31,049
Indian Reserves	2,810
Judicial Districts	153,076
	$1,612,701

and the unexpended balance of $37,299 returned to the Department of the Provincial Treasurer.

Seven hundred and twenty-three thousand four hundred and forty-nine dollars of the total amount distributed is, in accordance with the provisions of the Act, chargeable to the municipalities in which the beneficiaries reside, and is allocated as follows:

Counties	$290,470.00
Cities	416,234.50
Separated Towns	15,362.00
Federal Department of Indian Affairs	1,382.50
	$723,449.00

Eight hundred and eighty-nine thousand, two hundred and fifty-two dollars, or the balance of the total amount distributed, is assumed by the Province and represents:

$723,449	—50% of allowances granted in organized municipalities,
153,076	—distributed in Judicial Districts,
12,727	—allowances granted in organized municipalities where one year's continuous residence has not been established,
$889,252	

The total sum collectible for the fiscal year 1922-1923:

Amounted to		$784,675.50
Outstanding at 31st October, 1922		$61,226.50
Fiscal year 1922-1923		723,449.00
		$784,675.50
Received from municipalities		681,634.77
Outstanding at 31st October, 1923		$103,040.73

and collectible from:

Counties	$43,884.00	
Cities	56,536.23	
Towns	2,530.50	
Federal Department of Indian Affairs	90.00	
		$103,040.73

REVENUE STATEMENT

The sum of six hundred and eighty-five thousand eight hundred and seventy-six dollars and twenty-two cents ($685,876.22) was deposited with the Provincial Treasurer during the year, of which amount $51,572 was received by the Treasurer

early in the month of November and therefore too late for inclusion in the receipts for the fiscal year ending October 31st, 1923. This amount will be included in next year's receipts.

Of the total amount deposited:

$681,634.77	was received from municipalities during the fiscal year 1922-1923.
3,409.00	was received from municipalities for the fiscal year 1921-1922, but included in the Treasury receipts for 1922-1923.
446.45	refunded by Federal Pension Board on behalf of a beneficiary who ultimately became a pensionnaire.
386.00	refunded by beneficiaries.
$685,876.22	

and of this amount we have received credit in the Treasurer's books for $634,304.22 and the balance of $51,572 carried forward to the next fiscal year.

ADMINISTRATION

Of our appropriation of $89,390.00, the sum of $74,020.76 was expended and the balance of $15,369.24 returned to the Department of the Provincial Treasurer.

COMPARATIVE STATEMENT

	1920-1921	1921-1922	Percentage	1922-1923	Percentage as compared with 1921-1922
	$ c.	$ c.	decrease	$ c.	decrease
Administration	77,940.65	77,876.38	3.93%	74,020.76	4.95%
Amount of allowances disbursed	774,667.00	1,382,138.00	increase 78.41%	1,612,701.00	increase 16.68%
Number of beneficiaries	2,660	3,559	increase 33.80%	3,870	increase 9%
Administration cost based on amount disbursed	10.06%	5.42%	.....	4.58%	.....

CAUSES OF CANCELLATION

One of two children now 16 years old	150
Beneficiary remarried	126
Only one child under 16 at school	45
Has now sufficient income	67
Should now be self-supporting	38
Husband no longer totally and permanently incapacitated	31
Children not now with mother	28
Beneficiary no longer resident in the Province of Ontario	29
Husband no longer in asylum	19
Unsatisfactory home conditions	18
Immorality	17
Regulations respecting one man boarder not observed	16
Unsatisfactory care of children	14
Beneficiary died	13
False information at time of application	8
Husband died and only one child under sixteen	6
Incapacitated husband no longer in care of wife and only one child under sixteen	5
Residence of husband now known (desertion cases)	4
Now in receipt of allowances from other funds	4
Woman and children removed to (Orillia) Institution	1
Incapacitated child over sixteen dead and only one child under sixteen	2
	641

CAUSES OF INELIGIBILITY

Liquid assets disqualify	94
Applicant's husband or child over sixteen not totally and permanently incapacitated	71
Sufficient income to maintain the home	67
Only one child under sixteen in attendance at school	38
Value of property disqualifies	36
Five years' desertion by husband not established	34
Residence requirements not fulfilled	33
Older children's earnings sufficient to maintain home	28
Applicant not a fit and proper person	13
Applicant unable to produce proof of marriage	10
Children not with the mother	9
Applicant's home conditions unsatisfactory	8
Applicant divorced or legally separated	8
Applicant not in Canada at time of husband's death	6
Applicant not a British subject	6
Application withdrawn	5
Applicant with no children under sixteen at school	5
Foster mother applications ineligible as children were not orphans	4
Applicant in receipt of Workmen's Compensation grant	4
Applicant not deserted in Canada	4
Only one child under sixteen and incapacitated husband not in wife's care	5
False information given	4
Applicant not resident in Ontario	3
Applicant's husband in prison	3
Applicant remarried	1
Applicant died	1
Man applying on behalf of foster children	1
	501

DEFERRED CASES

For further report from investigator	15
For reconsideration of local Board	4
For certificates	6
	25

NUMBER OF FAMILIES RECEIVING MOTHERS' ALLOWANCES, 3,870.

Causes of dependency:

Death of father	3,255	
Incapacitation of father: (*a*) insanity	115	
(*b*) other causes	283	
Desertion of father	125	
Death of both parents (foster-mother cases)	92	
		3,870

Number of Children Under Sixteen in these Families

	Families	Children
Families of one child and incapacitated father or older child	35	35
Families of 2 children	1,651	3,302
" " 3 "	1,071	3,213
" " 4 "	626	2,504
" " 5 "	296	1,480
" " 6 "	112	672
" " 7 "	52	364
" " 8 "	23	184
" " 9 "	3	27
" " 10 "	1	10
Total	3,870	11,791

CAUSES OF INCAPACITATION OF FATHER

Insanity (asylum)			115
Tuberculosis: Home	34		
Sanatorium	44		
		— 78	
Paralysis		52	
Heart, disease of		37	
Arthritis		29	
Brain, diseases of		16	
Kidney, diseases of		14	
Locomotor ataxia		12	
Hardening of arteries		9	
Respiratory system, diseases of		7	
Cancer		6	
Epilepsy		6	
Alimentary system, diseases of		6	
Pernicious anæmia		4	
Osteomyelitis		1	
Senility		1	
Diabetes		1	
Other causes		4	
		— 283	
			398

NUMBER OF CASES WHERE THE INCAPACITATED FATHER HAS DIED DURING THE YEAR

Insanity (asylum)	5	
Tuberculosis	29	
Cancer	10	
Paralysis	9	
Heart, diseases of	7	
Pernicious anæmia	4	
Locomotor ataxia	2	
Kidney, diseases of	2	
Diabetes	1	
Arthritis	2	
Other causes	7	
		— 78

CAUSES OF DEATH OF FATHER

Penumonia, 646; tuberculosis, 392; influenza, 389; heart disease, 359; accident, 269; cancer, 177; kidney disease, 109; stomach and bowels, diseases of, 103; brain disease, 93; appendicitis, 83; typhoid fever, 75; paralysis, 70; blood poisoning, 47; diabetes, 43; anæmia, 40; suicide, 40; murdered, 10; other causes, 306; not given, 4. Total, 3,255.

OCCUPATION OF FATHER

Laborer, 1,105; clerk, 192; trade, 671; business, 268; profession, 27; farmer, 534; miscellaneous, 101; not given, 972. Total, 3,870.

OCCUPATION OF BENEFICIARY AT TIME ALLOWANCE WAS GRANTED

Housewife, 1,730; charwork, 924; boarders or roomers (no other employment), 450; sewing, knitting, etc., 249; factory work, 182; farm work, fruit picking, etc., 135; clerk, 102; business, 65; nursing, 26; profession, 7. Total, 3,870.

NATIONALITY BY BIRTH OF BENEFICIARY

Canadian, 2,686; English, 652; Scotch, 184; Irish, 87; Welsh, 5; American (U.S.A.), 72; Russian, 59; Italian, 37; Polish, 19; Finnish, 18; German, 16; Swedish, 8; other, 27. Total, 3,870.

TUBERCULOSIS A PREVENTABLE FACTOR IN WIDOWHOOD

This statement is inserted to show how very seriously tuberculosis enters into the question of mothers' allowances by causing widowhood. If the money expended on the widow had been applied to combating tuberculosis the number of widows might be less.

1. Number of beneficiaries on the allowance list during the year (November 1st, 1922, to October 31st, 1923) in whose case tuberculosis was the causative factor in the death of the husband:

On the pay list, October 31st, 1923	392	
On during part of the year but later cancelled	67	
		459
Amount paid to these 459 families during the year		$170,233
Number of children in these families		1,423
192 families with 2 children under 16	384	
124 " " 3 " " "	372	
77 " " 4 " " "	308	
46 " " 5 " " "	230	
13 " " 6 " " "	78	
5 " " 7 " " "	35	
2 " " 8 " " "	16	
459 families	children, 1,423	

2. Number of beneficiaries on allowance list during the year whose husbands were totally and permanently incapacitated because of tuberculosis:

On the list, October 31st, 1923	78	
On during part of the year but later cancelled	22	
		100
Amount paid to these 100 families during the year		$34,005
Number of children in these families under sixteen		336
8 families with 1 child under 16	8	
25 " " 2 children " "	50	
26 " " 3 " " "	78	
17 " " 4 " " "	68	
15 " " 5 " " "	75	
7 " " 6 " " "	42	
1 family " 7 " " "	7	
1 " " 8 " " "	8	
100 families	children, 336	

3. During the year there were on the list thirty foster mothers of children whose parent or parents (in nine cases both parents, in thirteen cases the mother, and in eight cases the father) had died of tuberculosis.

On the list, October 31st, 1923	27	
On part of the year, but later cancelled	3	
		30
Amount expended on these families		$10,340
Number of children in these families		79
17 foster mothers with 2 children under 16	34	
9 " " " 3 " " "	27	
2 " " " 4 " " "	8	
2 " " " 5 " " "	10	
30	children, 79	
Total amount expended		$214,578

This is thirteen per cent. of the total amount of allowances paid during the year.

REPORT OF CHIEF INVESTIGATOR, 1922-1923

Number of Investigators and Their Districts

The Commission has seventeen investigators distributed throughout the Province. The territories assigned to them are as follows:

1.	Toronto	Miss E. W. Rogers Mrs. A. Fraser Mrs. N. O'Connor
2.	Hamilton, Wentworth, Halton	Miss E. Storms
3.	Ottawa	Miss M. F. Bennetts
4.	Huron, Middlesex, Oxford, London, Woodstock, Ingersoll	Mrs. R. M. Graham
5.	Essex, Kent, Chatham, Lambton, Elgin, Windsor, Sarnia, St. Thomas, Walkerville	Miss H. Bapty
6.	Brant, Norfolk, Haldimand, Lincoln, Welland City, Niagara Falls, Welland County, St. Catharines, Brantford	Miss C. L. Steward
7.	Waterloo, Perth, Bruce, Wellington, Galt, Kitchener, Stratford, St. Mary's, Guelph	Miss A. Hindley
8.	Dufferin, Simcoe, Grey, Owen Sound	Miss A. Lawrence
9.	Victoria, Haliburton, Muskoka, Parry Sound, Nipissing	Mr. A. G. Bruce
10.	York, Ontario, Peel	Miss E. McMullen
11.	Durham, Northumberland, Peterborough County, Peterborough City, Prince Edward County	Miss J. M. Burry
12.	Trenton, Belleville, Hastings, Lennox and Addington, Frontenac, Leeds, Kingston, Brockville, Gananoque	Miss M. M. Abernethy
13.	Grenville, Dundas, Stormont, Glengarry, Prescott County and Town, Russell	Mrs. B. G. Preston
14.	Rainy River, Kenora, Sudbury, Algoma, Manitoulin, Temiskaming, Thunder Bay, Port Arthur, Fort William, Sault Ste. Marie	Miss M. J. D. Kennedy
15.	Lanark, Renfrew, Smith's Falls, Carleton	Mrs. H. Brodeur

CLASSIFIED REPORT OF INVESTIGATORS' WORK DURING THE YEAR

November 1st, 1922, to October 31st, 1923

Visits of supervision to beneficiaries	15,008
Visits of investigation to applicants	1,494
Other agencies visited	7,003
Visited applicants who were out or moved	2,555
Total number of visits	26,060
Number of hours spent in clerical work	8,936½
Total number of hours	34,330¾

Duties of Investigators

(a) Investigation of Applications for Allowances:

When the Commission is notified by the local Board that an application has been made and is approved by the local Board, the name is given the investigator for that district for home visit and investigation. Certain forms have been prepared designed to give the Commission information on the points on which its decision is to be made, and these forms require to be filled out.

The investigator's report, in conjunction with that of the local Board, informs the Commission as to the fitness of the mother to bring up her children and to maintain proper standards in the home, and that the other members of the household and the home environment are such as to be conducive to the welfare of the children.

Inquiry is made as to the financial standing of the family, its earning ability, the ability of relatives to contribute to its support, its property holdings, negotiable assets and its debts, together with a rough outline of the cost of maintenance of the family.

This investigation is made in such a way that the applicant may regard it as easy and dignified to make an application for an allowance which she is made to feel is no "charity" and involves no sacrifice of her independence. Good investigation prevents the hasty granting of allowances which may later have to be cancelled.

The experience of other Mothers' Allowances Commissions shows that the best results can only be obtained by careful, painstaking investigation and that the time which this takes is time well spent.

Page 22 of the Administration of the Aid-to-Mothers Law in Illinois has a table showing that only 15.6 per cent. of these applicants were granted pensions within two months of the time of application and that 84.2 per cent. waited for longer periods. "To those familiar with relief problems this needs no explanation. The court must choose between making a thorough, which means a slow, investigation and granting pensions after an incomplete investigation, with the danger of having to withdraw them later."

(b) Planning for the Family

The investigator, on the granting of the allowance, helps the mother to work out a suitable plan under which the home may be maintained. This involves the consideration and arrangement of such questions as the mother's own employment, its nature and its hours, providing for the maximum amount of time the mother can be at home with her children, the employment of children of earning age and the amount of their contributions to the home, the choice of a home, its convenience to school and work, its environment and housing conditions and the expenditure of the allowance in the most advantageous and economical way.

(c) Supervision

The investigators are required to visit beneficiaries regularly, with frequent reports to the Commission as to home conditions and the welfare of the children, as to the advisability of continuing or discontinuing the allowance, as to changes of circumstances indicating that the allowance should be increased or decreased, and as to the mother's ability to wisely expend the allowance.

The advice and help of the investigators is given the beneficiaries wherever it is needed or asked for. In the majority of cases, however, their supervision

is limited to friendly visiting. It is not the wish of the Commission that there should be any weakening of the beneficiary's feeling of independence, or taking away of the family's own initiative.

In many cases the investigator can be of service in securing of opportunities for the family, as for instance in the securing of employment for children of wage-earning age and in advice and help in the matter of employment of the children as they approach that age.

Special watch is kept over the health of the family, the proper feeding and clothing of the children, housing conditions and the moral atmosphere of the home.

Services Rendered to Families by Investigators Other than Relief

Some of the services the visitors may render the beneficiaries have been stated above. During the past year the records show many examples of such service, including the early detection by the investigators, many of whom are trained nurses, of physical conditions requiring treatment, and securing of such treatment for the patient by co-operation with medical health officers, private physicians, public health nurses, and hospital clinics. There is a letter on our files from one of our beneficiaries gratefully acknowledging the prompt recognition by the visitor of the mother's having signs of incipient tuberculosis, and having immediately arranged for X-ray examination and diagnosis and home treatment under the supervision of the city nurse. She had been assured by the physician that the disease was in such an incipient stage that he could feel confident of a good recovery.

Other records show the investigator as vocational guide, helping the adolescents of these families to secure suitable employment and advising them during the latter days of their schooling as to possibilities for training to give them opportunities later.

Good work has been done with difficult boys who play truant or who are not easily controlled by the mother, by co-operation with Big Brothers, and with the Kiwanis Club, both of these organizations being very ready to lend a helping hand in such families.

Legal aid has been found for widows who could not afford to employ a lawyer. In this connection we have an instance where the investigator found that the widow was in danger of losing her property. Her mother-in-law was within the month able to claim, by the right of occupancy, the half of the house in which she had been permitted to live, and she refused to sign a release of her claim. The investigator was able to secure legal aid for the widow, and the mother-in-law was induced to sign an agreement permitting her to occupy her present quarters, but by which the property should, at her decease, revert to the beneficiary and her children.

The investigator's helpfulness is indicated in the following stories:

She found that in the family of an applicant, a deserted mother, there was, besides the two children under sixteen, a mentally defective daughter of twenty-five. The condition of this daughter was such that the investigator at once suggested institutional care at Orillia. She found the mother willing, and arrangements were therefore made and the girl removed from the home. The mother stated that she had known for years that this daughter could not be properly cared for at home, but that she had had no knowledge of the fact that the Province provided institutional care for such patients. She is immensely relieved to have her under proper supervision.

In another home the mother broke down and had to be taken to the hospital for operation and complete rest. She had no relatives and the children had to be left alone. The mother in the hospital worried about them instead of resting. The investigator told the local Gyro and Kiwanis Clubs about the matter and these clubs at once undertook to look after the hospital expenses and pay a housekeeper to look after the children. The mother was intensely grateful and relieved, and stated that but for the allowance and the investigator's help and interest she could never have kept her family together.

One of the investigators visits in some unorganized districts where there are few medical facilities and her opportunities for service are many. Last year she was detained on an island where no boat called for five days after her arrival. There is no doctor or trained nurse within twenty-five miles of this island, on which is a population of about one hundred and seventy people, of whom forty-five are children under five years of age. While there, the visitor, who is a trained nurse, held what she called a "well baby clinic," and was able to give advice to the mothers as to the care and feeding of these children.

Improvement in Home Standards Since the Allowance has been Granted

The careful supervision and the encouragement given by the visitors to the mothers in the maintenance of a good standard of housekeeping continues to demonstrate a decided change for the better in many homes.

Often the allowance has actually to be administered to insure the family deriving the proper benefit from it, particularly where the mother is of low mentality, but the investigator plans always to put the responsibility of the spending of the allowance into the hands of the mother as she shows herself able to assume it.

In one of these families, where the mother was a poor manager and financially irresponsible, the allowance was administered under very close supervision for over two years. There was shown to be a great improvement in home conditions and the mother has gradually been allowed the control of the money, so that now that she has shown that she can pay the rent regularly, keep out of debt, and buy food of good nutritive value without extravagance, she is allowed to receive her cheque direct, without administration.

The allowance has been paid into many homes for a sufficient length of time that our records can show many instances of where the mother's outlook has completely changed. From a despondent, downcast drudge she has become a cheerful mother who can take an interest in her home and family, and the home and family show the result of her interest, in their greater cleanliness and neatness. The year's reports show, as usual, the good effect upon the regularity of school attendance when an allowance is granted.

The improvement in the family's standard sometimes means the complete uprooting of the home, and a new beginning in a new and better district.

The mothers usually gladly receive advice as to the proper feeding and clothing of their children, and in securing correction of physical defects, and many records show continuous improvement in the family health and in many families the mother has for the first time since the father's death, time to give her children the personal attention which they need. In one such case the widow, mother of two children, before her application for an allowance, worked daily in a laundry all day and cared for her home at night. Her five-year-old boy was delicate, had ulcers on one eye, and had been five times in the hospital for this trouble. His brother, ten years old, dressed and cared for him, and took

him to the kindergarten, as the mother had to go to work before he was up. Three years later this mother is working only three days each week to supplement the allowance. The delicate child shows a remarkable change since receiving his mother's own care and attention. He is growing much stronger, is never sick and has had no trouble with his eyes for a long time.

The better chance for good citizenship that is given by the allowance is shown by the investigator in the North when she says: "When this family was visited first it was impossible for the mother to send the children to school for want of clothes and proper food, and this year they were the best and most regular pupils attending that school, which is about a mile and a half from their home."

The changed outlook for many children is most strikingly demonstrated in homes where the allowance has made it possible for the mother to bring her children together again after being forced to break up the home. Not only does the health of the children noticeably improve under the mother's own personal care after months or years of institutional life, but the children show an appreciation of their home and a willingness to work in and for it that indicates the value such home life has, and their right to it in the interest of their future citizenship.

The Supplementing of the Allowance

The allowance is not in itself sufficient to maintain the family, and where there are no sons or daughters of wage-earning age, the usual means of supplementing it to a sufficient income for the expense of keeping up the home is by the mother's own earnings. In the rural districts and small towns where rents are lower the allowance is more nearly adequate than in the large cities, and the files show that the country mothers can manage with very little outside employment, in a very few cases with none.

When she is managing without outside employment she usually owns her little home and grows her own vegetables. One of these families consists of the mother and five children under sixteen, and one child just over sixteen, who is still at school. They own their own home, valued at about $700; they grow their own garden and milk is given them by a relative. The only money income is the allowance of $45.00 per month, and the family is well clothed and fed. Another mother and three little children live in a small village, owning a little house valued at about $650. She receives an allowance of $33.00 per month, and is keeping up a home-like, comfortable home without debt, and is not supplementing the allowance except by growing her own vegetables and by renting the stable for $2.00 per month.

The usual employment of the mothers is charwork and general domestic service, this being the work most can do without special aptitude or training, and the easiest way of getting part-time employment. The difference made by the allowance to a mother who has to support her family by such work is shown by the story of one mother with three young children, who, after her husband's death, kept the home together by working all day five days a week and working as well for the neighbours in the evening. The children were left alone while she was working. She is now receiving an allowance of $30.00 per month and is supplementing this by looking after the neighbours' children for a few hours at a time, or working in the near neighbourhood as general help in time of sickness or lack of regular help.

The conditions in this home are excellent and the mother's burden is not the crushing responsibility it was before she received the allowance.

In many districts office cleaning is convenient part-time employment, which is sufficient to adequately supplement the allowance, and this work is much sought after. One mother, whose husband died six years before the passing of the Mothers' Allowances Act, had to do charwork in addition to office cleaning during all those years in order to earn enough to keep her children together, which meant she was working outside the home from 6 a.m. till 9 or 10 p.m. and worked at home for the children "when she could find the time."

Many mothers earn by laundry work in their homes and when this is practicable it is a desirable arrangement, so that the children are always under the mother's own supervision. Here also is shown the difference between the mother who has only to supplement a pension by this work and one who is forced to support her family by this means alone. One of our mothers is a widow with three young children. In September, 1920, she was on the point of breaking up her home and putting the children in an institution. She was washing five, sometimes six, days a week and her health had become broken so that she could no longer maintain the home in this way. She was living in a hovel, too small, low and damp to be fit for her children. Nearly three years later this family is living in a well-cared-for home, the children's and the mother's health greatly improved. The mother has bought and paid for a washing machine and earns about $20 a month by her laundry work, and the family (in a small country town) is living comfortably on this and the allowance of $35 per month.

One or two of our mothers have bought electric washing machines on time payments, and are supplementing the allowance in this way, with a consequent saving of their time and strength, and therefore an improvement in home conditions. One of them, whose health had broken down under the old method of washing so that she had to put her children in an orphanage, says that she could never have got a home together again without the allowance. A very great number of the beneficiaries earn by keeping roomers or boarders, and if their houses are large enough, or sufficiently well located to make this practicable, it is a convenient method of earning enough to supplement the allowance without earning outside the home. This applies also to the sale of home cooking, which, however, requires special aptitude as well as opportunity, and not many earn in this way. One widow, however, in the North, with five children, not only lives on the $45.00, supplemented by the sale of home-made bread, but has re-established herself after being completely burnt out about five months after the allowance was granted. She lost everything she had and is full of gratitude for the allowance, without which she could not have begun again.

Home sewing is another common means of earning, as the mothers naturally incline to the forms of employment which do not take them from the home. It is not well paid, however, and again it requires special ability and favourable conditions. An interesting record of a family where the mother is earning in this way shows a family consisting of a widow with two children. When she applied for an allowance, both children were in an orphanage and she was employed in domestic service. Before applying for the allowance she took a course in sewing at the Technical School in order to be able to supplement the allowance in that way when she had a home of her own again. When she finished her course and had her pension she moved from the city to a village near relatives. She is now keeping a comfortable, thrifty home on the allowance of $30.00 per month and her own earnings which average from $8.00 to

$10.00 per month. Her rent is $2.00 a month, her fuel costs about $5.00 a month, with an average expenditure of about $20.00 a month for food and $8.00 for clothing. Her children are in regular school attendance and are healthy, well-mannered children.

Full-time factory and store employment is discouraged by the Commission, but part-time employment can often be arranged and such work is often preferred by the beneficiaries and does not take them from the home more than charwork would.

In the rural districts some widows can earn enough from the sale of farm produce to support their families with the aid of a very small amount of Government help. These hard-working women deserve great credit for the way in which they do, in many cases, a man's work on the land, as well as a woman's in the home, and are keeping the little farm for the children and encouraging them to remain on it.

One widow, with four dependent children, is drawing an allowance of only $25.00 per month and is supporting the home with this, except by the sale of butter and eggs, from which she averages about $25.00 per month. She raises just enough crop to feed her cattle, keeps forty hens and four cows and does everything on the farm alone, with only occasional hired help on the land during the summer season.

Another has been allowed by her brother to remain on his little farm rent free for payment of taxes. The widow has farmed this little place herself, paying only for help in cutting the hay and wood for fuel, by selling the small surplus of hay above what she requires to winter her stock. She has averaged from the sale of butter and other farm produce sufficient to maintain her family of four children with only $30.00 a month pension. This mother, discouraged after her husband's death, was said to need much help and advice in the management of her home. She has shown this evidence of thrift and industry and is filled with encouragement as to her family's prospects. The children are well fed, warmly and neatly clothed and their school attendance and class standing is good.

Another widow with dependent children in a small suburban town is supporting her family on the allowance of $55.00 and her earnings from the sale of fruit and vegetables. This spring she set out 500 strawberry plants. Her neighbours plowed the garden for her, but otherwise she does the work herself. Another is planning to put all her children through high school, drawing an allowance and supplementing by the sale of vegetables and berries.

A widow with two children in a rural district on the outskirts of a small city was left with a small farm of five acres. She has supplemented the allowance of $25.00 per month by the sale of butter, milk and eggs. She has been drawing the allowance since November, 1920, and she has each year extended her flower garden as her means would permit and she now has a good variety. Last spring she sold $40.00-worth of bulbs and perennial roots, and she is now selling plants and cut flowers at a near-by market as well as at home. She is working very hard to establish herself as a self-supporting florist. The incentive for this ambition was a packet of seeds given her three years ago, from which she grew her first everlasting flowers, selling them in small bunches at Christmas time.

Other have added to their income by such employment as caring for schools and churches, the keeping of small grocery stores, by cleaning and pressing, and a very few by giving music lessons.

One unusual case is that where the mother of four children under twelve

years, in a small country town, has maintained her family by her earnings from cobbling, in addition to the Government allowance. Her husband was ill for two years before he died and when unable to work away from home he bought a small machine for repairing shoes, at which trade he tried to earn a little. After his death the widow tried to continue the work, but at the time she applied for the allowance she was making only $2.00 or $3.00 a month by it and she was proposing to sell the machine for a very trifling sum. The investigator persuaded and encouraged her to keep this business up. A sign was printed and notices sent out; at first results were disappointing, as a competitor started business very shortly after her notices were out, but she kept on, until some months later he retired, and she is making enough to maintain her family without debt with the addition of $40.00 a month allowance.

A good example of family co-operation is shown in one of the homes out West. The family consists of the mother, two children, one under, one just over sixteen, the paralyzed and totally disabled husband and the wife's totally blind sister. The wife has slowly worked up a tea-peddling business, beginning by trudging about the city streets, until a subscription was formed to donate a pony and small trap. She now has a business paying about $12.00 to $15.00 per week, working five afternoons a week, and with this, supplemented by an allowance of $35.00 per month, she supports herself, her husband, sister and two children, and is putting the eldest boy through the collegiate. The family has developed a team-work by which this is made possible, as the blind sister cares for the husband and the house in the wife's absence, she being able to move him about in a wheel chair, and he being able to see and so direct her efforts.

The amount required for the maintenance of the family over and above the allowance varies greatly with the district, the circumstances of the family and the mother's ability to manage. Some of them require very little, as, for instance, a mother, with two young children, in a rural district, is getting an allowance of $30.00 a month. She cleans the church and does sewing and laundry as she can get employment, averaging $3.75 a week. One employer helps her by hauling her wood for fuel. On this income she maintains a good home, where her children have excellent care and training and both of them are preparing for high school. She has no debts and about $50.00 savings.

Another family, a widow and three children, in a small country town, have an allowance of $35.00 a month. The mother makes about $5.00 a week looking after an invalid woman in the morning and preparing the evening meal for the patient's husband, about four hours a day in all. Her own home is always clean and tidy, the children are well cared for, and, thanks to the mother's industry and thrift, they are living comfortably, without debt.

LOCAL BOARDS

Counties	Secretaries	Address
Brant	Mrs. A. B. Rose	Echo Place.
Bruce	Mrs. I. Shoemaker	Paisley.
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Lincoln	Mr. Wm. Richardson	Merritton.
Middlesex	Miss Mary Grant	110 Dundas Street, London.
Norfolk	Mrs. Annie L. Buck	Post Office Building, Port Rowan.
Northumberland	Mr. Edmund Quinn	Colborne.
Ontario South	Mrs. Edith C. Myers	97 King Street East, Oshawa.
Ontario, North	Mrs. J. K. McLennan	Beaverton.
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Wentworth	Mrs. Adam Inch	Mount Hamilton.
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Brantford	Mr. F. W. Thompson	35 Wellington Street.
Chatham	Mrs. Jas. P. Dunn	30 Jeffrey Street.
Fort William	Mrs. E. R. Fulmer	631 North John Street.
Galt	Mrs. Jean Lash	Galt.
Guelph	Mr. C. W. Dawson	9 Clinton Street.
Hamilton	Mr. W. Cassaday	163 Emerald Street South.
Kingston	Prof. W. A. Mackintosh	Queen's University.
Kitchener	Mr. A. R. Goudie	42 King Street East.
London	Rev. T. D. McCullough	Bank of Toronto Building.
Niagara Falls	Rev. Guy B. Gordon	247 River Road.
Oshawa	Mr. C. J. Wilcox	15 Hall Street.
Ottawa	Rev. A. G. Cameron	Juvenile Court Offices, City Hall Square.
Owen Sound	Rev. J. B. Fraser	Owen Sound.
Peterborough	Mr. F. H. Dobbin	Peterborough.
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St. Catharines	Mr. L. P. Cunningham	200 St. Paul Street.
St. Thomas	Miss Tessie Ingram	134 Wellington Street.
Sarnia	Mr. H. Steele	327 Stuart Street.
Sault Ste. Marie	Mr. Geo. W. Martin	24 Laird Street.

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Windsor	Mrs. M. E. Fotheringham	Office of City Clerk.
Woodstock	Mr. R. W. Ferguson	18 Wellington Street North.
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Gananoque	Mrs. J. A. Jackson	Gananoque.
Ingersoll	Miss Annie Howe	Ingersoll.
Prescott	Mr. C. H. Ranson	Prescott.
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Smith's Falls	Mrs. H. S. Coombs	Smith's Falls.
Trenton	Miss Helena Driscoll	Trenton.
Walkerville	Mr. H. L. Berry	169 Victoria Road.
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Manitoulin	Mrs. W. W. Anglin	Mindemoya.
Muskoka	Mrs. J. T. Andrews	Box 315, Bracebridge.
North Bay	Mrs. Wm. Andreson	163 Copeland Street, North Bay.
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Cape Croker (Chippewas of Nawash)	Mr. Carl F. Jones	Cape Croker.
Chippawa Hill (Chippawas of Saugeen)	Mr. Sidney S. Mandowob	Chippawa Hill.
Gore Bay	(Ind. Agt.) Mr. J. R. MacGregor	Gore Bay.
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Muncey (Chippawas, Munceys and Oneidas of Thames)	(Ind. Agt.) Mr. Thos. McGookin	Muncey.
Sturgeon Falls (Dokis, French River, Nipissing & Timagami)	(Ind. Agt.) Mr. Geo. P. Cockburn	Sturgeon Falls.
Walpole Island (Chippawas of Sarnia and Pottawattomies)	(Ind. Agt.) Mr. Thos. Paul	Sarnia.
Algoma (Batchewana, Garden River, Thessalon, Mississauga, Spanish River, Serpent River)	(Ind. Agt.) A. D. McNabb	Sault Ste. Marie.

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